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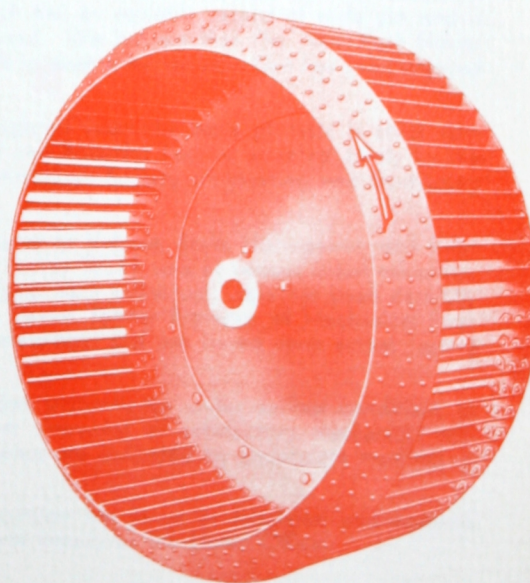
PERFORMANCE TABLES

TYPE ME

CENTRIFUGAL FANS

SLOW SPEED WHEELS

•
Compiled for
ARCHITECTS
ENGINEERS
CONTRACTORS



AIA File No. 30-D-1

The
**NEW YORK
BLOWER
COMPANY**

GENERAL OFFICES
32nd STREET & SHIELDS AVENUE • CHICAGO
FACTORIES at LAPORTE, IND. and CHICAGO, ILL.

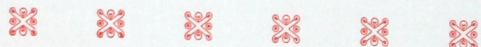
Type ME Fan

Correctly designed
Carefully constructed
its ratings determined in strict
accordance with standard codes
. . . its performance checked in
the laboratories of two universi-
ties—Type ME Fan has earned a
well deserved reputation as THE
Fan of Certified Performance.



1925 is an EPOCH in the Fan Art . . . the introduction of
the Type ME Fan with its Certified Ratings and its Total Efficiency
of 75%!

The TYPE ME FAN of TODAY maintains its leadership!!



Since 1889.

FD 29-08765-12 E

TYPE ME FAN

CAPACITY TABLES — 1940 EDITION

Type ME Fans

SLOW SPEED WHEELS

Performance Tables are presented herewith covering The New York Blower Company's Type ME Fans with Slow Speed Forward Curved Multibladed Fan Wheels.

The Series of Sizes are in conformity with the final program of industry standardization for the benefit of Architects, Engineers and Users of Centrifugal Fans, as adopted by the National Association of Fan Manufacturers (of which Organization The New York Blower Company is a Charter Member) at its Annual Meeting held in Chicago on April 11, 1940, to be effective at once and fully operative by all manufacturers not later than 1941.

The program of standardization which has been adopted by all Nationally Recognized Fan Manufacturers has been completed and adopted after a two-year survey by technical and engineering representatives of all member companies. It has been agreed upon, accepted and endorsed by all of these companies. The series of maximum wheel diameters of comparable makes has been based upon the preferred number system advocated by the American Standards Association.

Present technical refinements are in keeping with The New York Blower Company's consistent and continuous policy with respect to dependable performance ratings.

After a quarter-century's experience in the Industry, in 1925 The New York Blower Company, in leadership marketed the first manufacturers' commercial line of Fans and Blowers of impressively and outstanding higher mechanical efficiencies. These were supported by published results of unprejudiced and impartial performance tests by authoritative and disinterested nationally recognized engineers.

Epochal in the Fan Art, Certified Ratings for its Fans were given upon the basis of tests conducted in the Engineering Laboratories of two Prominent Engineering Colleges — The Armour Institute of Technology and The University of Kentucky. In its leadership of design, The New York Blower Company was first to attain a PROVEN total efficiency of 75%.

The New York Blower Company's latest series of Sizes of Type ME Fans with Slow Speed Wheels are offered as a result of recent months of study and research devoted to the refinement and improvement of the celebrated Type ME Fan which has an enviable record of wide use and is performing valuable and satisfactory duty wherever used. We believe that The New York Blower Company's sizes as tabulated, will cover requirements in even a better way than has been enjoyed heretofore.

These new Tables of performance have been prepared upon the basis of tests in strict conformity with the Standard Test Code for Centrifugal and Propeller Fans as adopted jointly by the National Association of Fan Manufacturers and the American Society of Heating and Ventilating Engineers.

The Tables, as arranged, give the Fan Performance as to Volume, Brake Horsepower, and RPM and under various conditions of Static Pressures up to 3 inches W. G. and at various outlet velocities. The Tables treat with Single Width Single Inlet Fans and each individual Table has been carefully checked and verified by Prof. Lynn E. Davies, former Professor of Mechanical Engineering at the Armour Institute of Technology, and are based upon actual Testing Laboratory tests.

**CERTIFIED
RATINGS**

Air deliveries are in accordance with Standard Test Code for Centrifugal and Propeller Fans adopted jointly by the National Association of Fan Manufacturers and American Society of Heating & Ventilating Engineers.

MEMBER OF
NAFM

The data given in the Tables shows performance under various conditions of operating which will be practical from viewpoint of satisfactory mechanical efficiencies. The points of maximum efficiency are indicated by underscore markings in the Tables.

Data as respecting Performance outside the range as tabulated and covered by this publication will be furnished upon inquiry to the Home Office.

The
NEW YORK BLOWER COMPANY

The
NEW YORK BLOWER COMPANY
FACTORIES AT LA PORTE, IND. and CHICAGO, ILL.

JD 88-68765-12F

TYPE ME FAN

ENGINEERING NOTES

SLOW SPEED WHEELS			GOOD OPERATING VELOCITIES AND TIP SPEEDS FOR FORWARD CURVED MULTIBLADE VENTILATING FANS	
STATIC PRESSURE INCHES OF WATER	OUTLET VELOCITY FEET PER MINUTE	TIP SPEED FEET PER MINUTE		
1/4	1000-1100	1520-1700		
3/8	1000-1100	1760-1900		
1/2	1000-1200	1970-2150		
5/8	1100-1300	2225-2450		
3/4	1200-1400	2480-2700		
7/8	1300-1600	2660-2910		
1	1500-1800	2820-3120		
1 1/4	1600-1900	3162-3450		
1 1/2	1800-2100	3480-3810		
1 3/4	1900-2200	3760-4205		
2	2000-2400	4000-4500		
2 1/4	2200-2600	4250-4740		
2 1/2	2300-2600	4475-4970		
3	2500-2800	4900-5365		



DOUBLE WIDTH DOUBLE INLET FANS

Referring to the Performance Tables for Single Width Single Inlet Fans, DOUBLE WIDTH DOUBLE INLET FANS WILL DELIVER DOUBLE THE CFM VOLUME GIVEN FOR SINGLE WIDTH SINGLE INLET FANS and the following data will apply:

- 1.—Multiply GIVEN RPM by Factor 1.01
- 2.—Multiply GIVEN O.V. by Factor 1.11
- 3.—Multiply GIVEN BHP by Factor 2.04



SINGLE INLET

WHEEL DIA. 16 INCHES
WHEEL CIRC. 5.097 FT.

NO. 15 Type ME Fan

SLOW SPEED WHEEL

SINGLE WIDTH

OUTLET AREA 1.274 SQ. FT.

CFM VOLUME	1/4" S P RPM	1/4" S P BHP	3/8" S P RPM	3/8" S P BHP	1/2" S P RPM	1/2" S P BHP	5/8" S P RPM	5/8" S P BHP	3/4" S P RPM	3/4" S P BHP	7/8" S P RPM	7/8" S P BHP	1" S P		1-1/4" S P		1-1/2" S P		1-3/4" S P		2" S P		2-1/4" S P		2-1/2" S P		3" S P	
													RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1 270	1000	.063	519	.14	519	.18	579	.23	641	.28	690	.35	736	.44	820	.53	900	.62	970	1.03	1039	1.25	1103	1.49	1165	1.73	1275	2.30
1 400	1100	.076	584	.17	584	.21	644	.26	707	.31	759	.39	808	.48	884	.58	960	.67	1028	1.08	1095	1.31	1158	1.55	1228	1.81	1344	2.39
1 550	1200	.090	590	.19	590	.23	650	.28	713	.33	765	.41	814	.50	890	.60	966	.69	1034	1.11	1101	1.34	1164	1.58	1234	1.84	1350	2.43
2 370	1300	.106	642	.22	642	.26	702	.31	765	.36	817	.45	866	.54	942	.64	1018	.73	1086	1.15	1153	1.38	1216	1.62	1286	1.88	1402	2.53
2 570	1400	.122	690	.25	690	.29	750	.34	813	.39	865	.48	914	.57	990	.67	1066	.76	1134	1.19	1201	1.42	1264	1.66	1334	1.92	1450	2.58
2 770	1500	.141	736	.28	736	.32	796	.37	859	.42	911	.51	960	.60	1036	.70	1112	.79	1179	1.21	1246	1.45	1309	1.72	1379	1.98	1495	2.63
2 970	1600	.160	782	.31	782	.35	842	.40	905	.45	957	.54	1006	.63	1082	.73	1158	.82	1225	1.24	1292	1.48	1355	1.74	1425	1.99	1541	2.68
3 170	1700	.180	828	.34	828	.38	888	.43	951	.48	1003	.57	1052	.66	1128	.76	1204	.85	1271	1.27	1338	1.51	1401	1.77	1471	2.02	1587	2.73
3 370	1800	.200	874	.37	874	.41	934	.46	997	.51	1049	.60	1098	.69	1174	.79	1250	.88	1317	1.30	1384	1.54	1447	1.80	1517	2.05	1633	2.78
3 570	1900	.220	920	.40	920	.44	980	.49	1043	.54	1095	.63	1144	.72	1220	.82	1296	.91	1363	1.33	1430	1.57	1493	1.83	1563	2.10	1679	2.83
3 770	2000	.240	966	.43	966	.47	1026	.52	1089	.57	1141	.66	1190	.75	1266	.85	1342	.94	1409	1.36	1476	1.60	1539	1.86	1609	2.13	1725	2.88
3 970	2100	.260	1012	.46	1012	.50	1072	.55	1135	.60	1187	.69	1236	.78	1312	.88	1388	.97	1455	1.39	1522	1.63	1585	1.90	1655	2.16	1771	2.93
4 170	2200	.280	1058	.49	1058	.53	1118	.58	1181	.63	1233	.72	1282	.81	1358	.91	1434	.100	1501	1.42	1568	1.66	1631	1.92	1701	2.19	1817	2.98
4 370	2300	.300	1104	.52	1104	.56	1164	.61	1227	.66	1279	.75	1328	.84	1404	.94	1480	.103	1547	1.45	1614	1.69	1677	1.95	1747	2.22	1863	3.03
4 570	2400	.320	1150	.55	1150	.59	1210	.64	1273	.69	1325	.78	1374	.87	1450	.97	1526	.106	1593	1.48	1660	1.72	1723	1.98	1793	2.25	1909	3.08
4 770	2500	.340	1196	.58	1196	.62	1256	.67	1319	.72	1371	.81	1420	.90	1496	.100	1572	.109	1639	1.51	1706	1.75	1769	2.01	1839	2.28	1955	3.13
4 970	2600	.360	1242	.61	1242	.65	1302	.70	1365	.75	1417	.84	1466	.93	1542	.103	1618	.112	1685	1.54	1752	1.78	1815	2.04	1885	2.31	2001	3.18
5 170	2700	.380	1288	.64	1288	.68	1348	.73	1411	.78	1463	.87	1512	.96	1588	.106	1664	.115	1731	1.57	1798	1.81	1861	2.07	1931	2.34	2047	3.23
5 370	2800	.400	1334	.67	1334	.71	1394	.76	1457	.81	1509	.90	1558	.99	1634	.109	1710	.118	1777	1.60	1844	1.84	1907	2.10	1977	2.37	2093	3.28
5 570	2900	.420	1380	.70	1380	.74	1440	.79	1503	.84	1555	.93	1604	.102	1680	.112	1756	.121	1823	1.63	1890	1.87	1953	2.13	2023	2.40	2139	3.33
5 770	3000	.440	1426	.73	1426	.77	1486	.82	1549	.87	1601	.96	1650	.105	1726	.115	1802	.124	1869	1.66	1936	1.90	1999	2.16	2069	2.43	2185	3.38
5 970	3100	.460	1472	.76	1472	.80	1532	.85	1595	.90	1647	.99	1696	.108	1772	.118	1848	.127	1915	1.69	1982	1.93	2045	2.19	2115	2.46	2231	3.43
6 170	3200	.480	1518	.79	1518	.83	1578	.88	1641	.93	1693	.102	1742	.111	1818	.121	1894	.130	1961	1.72	2028	1.96	2091	2.22	2161	2.49	2277	3.48
6 370	3300	.500	1564	.82	1564	.86	1624	.91	1687	.96	1739	.105	1788	.114	1864	.124	1940	.133	2007	1.75	2074	1.99	2137	2.25	2207	2.52	2323	3.53
6 570	3400	.520	1610	.85	1610	.89	1670	.94	1733	.99	1785	.108	1834	.117	1910	.127	1986	.136	2053	1.78	2120	2.02	2183	2.28	2253	2.55	2369	3.58
6 770	3500	.540	1656	.88	1656	.92	1716	.97	1779	.102	1831	.111	1880	.120	1956	.130	2032	.139	2099	1.81	2166	2.05	2229	2.31	2299	2.58	2415	3.63
6 970	3600	.560	1702	.91	1702	.95	1762	.100	1825	.105	1877	.114	1926	.123	2002	.133	2078	.142	2145	1.84	2212	2.08	2275	2.34	2345	2.61	2461	3.68
7 170	3700	.580	1748	.94	1748	.98	1808	.103	1871	.108	1923	.117	1972	.126	2048	.136	2124	.145	2191	1.87	2258	2.11	2321	2.37	2391	2.64	2507	3.73
7 370	3800	.600	1794	.97	1794	.101	1854	.106	1917	.111	1969	.120	2018	.129	2094	.139	2170	.148	2237	1.90	2304	2.14	2367	2.40	2437	2.67	2553	3.78
7 570	3900	.620	1840	.100	1840	.104	1900	.109	1963	.114	2015	.123	2064	.132	2140	.142	2216	.151	2283	1.93	2350	2.17	2413	2.43	2483	2.70	2599	3.83
7 770	4000	.640	1886	.103	1886	.107	1946	.112	2009	.117	2061	.126	2110	.135	2186	.145	2262	.154	2329	1.96	2396	2.20	2459	2.46	2529	2.73	2645	3.88

SINGLE INLET

WHEEL DIA. 16 INCHES
WHEEL CIRC. 5.097 FT.

NO. 18 Type ME Fan

SLOW SPEED WHEEL

SINGLE WIDTH

OUTLET AREA 1.834 SQ. FT.

CFM VOLUME	OUTLET VELOCITY	PRESSURE	1/4" S P		3/8" S P		1/2" S P		5/8" S P		3/4" S P		7/8" S P		1" S P		1-1/4" S P		1-1/2" S P		1-3/4" S P		2" S P		2-1/4" S P		2-1/2" S P		3" S P	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1 810	1000	.063	316	.15	375	.20	428	.25	477	.31	528	.38	568	.49	604	.61	676	.87	742	1.13	800	1.42	856	1.72	906	2.03	959	2.38	1006	2.62
2 020	1100	.076	324	.18	384	.23	436	.28	477	.35	523	.45	565	.55	604	.70	676	1.01	738	1.20	798	1.49	852	1.80	906	2.13	956	2.45	1004	2.75
2 230	1200	.090	336	.21	399	.27	456	.33	480	.38	523	.50	565	.60	604	.83	676	1.08	738	1.36	798	1.57	852	1.91	906	2.25	956	2.57	1004	2.89
2 440	1300	.106	348	.24	413	.31	473	.37	485	.43	523	.58	565	.70	604	.95	676	1.21	738	1.59	798	1.81	852	2.16	906	2.50	956	2.82	1004	3.15
2 650	1400	.122	360	.28	428	.36	488	.42	497	.48	523	.65	565	.80	604	1.10	676	1.39	738	1.77	798	2.00	852	2.37	906	2.71	956	3.03	1004	3.37
2 860	1500	.141	372	.32	442	.40	502	.47	506	.54	523	.72	565	.88	604	1.21	676	1.51	738	1.89	798	2.13	852	2.51	906	2.85	956	3.17	1004	3.51
3 070	1600	.160	395	.37	467	.45	527	.53	506	.60	523	.80	565	.97	604	1.33	676	1.63	738	2.01	798	2.25	852	2.64	906	2.98	956	3.30	1004	3.64
3 280	1700	.180	411	.40	484	.48	544	.56	521	.67	528	.86	565	1.04	604	1.45	676	1.75	738	2.13	798	2.37	852	2.77	906	3.12	956	3.44	1004	3.78
3 490	1800	.200	425	.44	500	.52	559	.60	528	.72	528	.91	565	1.10	604	1.57	676	1.87	738	2.25	798	2.49	852	2.89	906	3.24	956	3.56	1004	3.90
3 700	1900	.225	448	.48	525	.56	584	.65	533	.82	523	.99	565	1.21	604	1.69	676	2.00	738	2.37	798	2.61	852	3.01	906	3.36	956	3.68	1004	4.02
3 910	2000	.250	468	.52	546	.60	605	.69	543	.90	526	1.10	565	1.32	604	1.81	676	2.11	738	2.49	798	2.73	852	3.13	906	3.48	956	3.80	1004	4.14
4 120	2100	.275	486	.56	566	.64	625	.73	559	.99	526	1.19	565	1.45	604	1.93	676	2.23	738	2.61	798	2.85	852	3.25	906	3.60	956	3.92	1004	4.26
4 330	2200	.302	506	.60	588	.68	649	.78	575	.98	526	1.28	565	1.59	604	2.05	676	2.35	738	2.73	798	2.97	852	3.37	906	3.72	956	4.04	1004	4.38
4 540	2300	.330	526	.64	610	.72	673	.82	591	1.08	526	1.41	565	1.72	604	2.17	676	2.47	738	2.91	798	3.11	852	3.49	906	3.84	956	4.16	1004	4.50
4 750	2400	.360	546	.68	633	.76	697	.86	606	1.19	526	1.54	565	1.85	604	2.29	676	2.59	738	3.03	798	3.21	852	3.61	906	3.96	956	4.28	1004	4.62
4 960	2500	.390	566	.72	656	.80	721	.90	626	1.22	526	1.67	565	1.97	604	2.41	676	2.71	738	3.15	798	3.33	852	3.73	906	4.08	956	4.40	1004	4.74
5 170	2600	.422	586	.76	679	.84	745	.94	646	1.32	526	1.80	565	2.09	604	2.53	676	2.83	738	3.27	798	3.45	852	3.85	906	4.20	956	4.52	1004	4.86
5 380	2700	.454	606	.80	702	.88	769	.98	666	1.43	526	1.93	565	2.21	604	2.65	676	2.95	738	3.39	798	3.57	852	3.97	906	4.32	956	4.64	1004	4.98
5 590	2800	.486	626	.84	725	.92	793	1.02	686	1.54	526	2.05	565	2.33	604	2.77	676	3.07	738	3.51	798	3.69	852	4.09	906	4.44	956	4.76	1004	5.10
5 800	2900	.516	646	.88	748	.96	817	1.06	706	1.65	526	2.17	565	2.45	604	2.89	676	3.19	738	3.63	798	3.81	852	4.21	906	4.56	956	4.88	1004	5.22
6 010	3000	.548	666	.92	771	.100	841	1.10	726	1.75	526	2.29	565	2.57	604	3.01	676	3.31	738	3.75	798	3.93	852	4.33	906	4.68	956	5.00	1004	5.34
6 220	3100	.580	686	.96	794	.104	865	1.14	746	1.85	526	2.41	565	2.69	604	3.13	676	3.43	738	3.87	798	4.05	852	4.45	906	4.80	956	5.12	1004	5.46
6 430	3200	.612	706	.100	817	.108	889	1.18	766	1.95	526	2.53	565	2.81	604	3.25	676	3.55	738	3.99	798	4.17	852	4.57	906	4.92	956	5.24	1004	5.58
6 640	3300	.644	726	.104	841	.112	913	1.22	786	2.05	526	2.65	565	2.93	604	3.37	676	3.67	738	4.11	798	4.29	852	4.69	906	5.04	956	5.36	1004	5.70
6 850	3400	.676	746	.108	865	.116	937	1.26	806	2.15	526	2.77	565	3.05	604	3.49	676	3.79	738	4.23	798	4.41	852	4.81	906	5.16	956	5.48	1004	5.82
7 060	3500	.708	766	.112	889	.120	961	1.30	826	2.25	526	2.89	565	3.17	604	3.61	676	3.91	738	4.35	798	4.53	852	4.93	906	5.28	956	5.60	1004	5.94
7 270	3600	.740	786	.116	913	.124	985	1.34	846	2.35	526	3.01	565	3.29	604	3.73	676	4.03	738	4.47	798	4.65	852	5.05	906	5.40	956	5.72	1004	6.06
7 480	3700	.772	806	.120	937	.128	1009	1.38	866	2.45	526	3.13	565	3.41	604	3.85	676	4.15	738	4.59	798	4.77	852	5.17	906	5.52	956	5.84	1004	6.18
7 690	3800	.804	826	.124	961	.132	1033	1.42	886	2.55	526	3.25	565	3.53	604	3.97	676	4.27	738	4.71	798	4.89	852	5.29	906	5.64	956	5.96	1004	6.30
7 900	3900	.836	846	.128	985	.136	1057	1.46	906	2.65	526	3.37	565	3.65	604	4.09	676	4.39	738	4.83	798	5.01	852	5.41	906	5.76	956	6.08	1004	6.42
8 110	4000	.868	866	.132	1009	.140	1081	1.50	926	2.75	526	3.49	565	3.77	604	4.21	676	4.51	738	4.95	798	5.13	852	5.53	906	5.88	956	6.20	1004	6.54
8 320	4100	.899	886	.136	1033	.144	1105	1.54	946	2.85	526	3.61	565	3.89	604	4.33	676	4.63	738	5.07	798	5.25	852	5.65	906	6.00	956	6.32	1004	6.66
8 530	4200	.931	906	.140	1057	.148	1129	1.58	966	2.95	526	3.73	565	4.01	604	4.45	676	4.75	738	5.19	798	5.37	852	5.77	906	6.12	956	6.44	1004	6.78
8 740	4300	.963	926	.144	1081	.152	1153	1.62	986	3.05	526	3.85	565	4.13	604	4.57	676	4.87	738	5.31	798	5.49	852	5.89	906	6.24	956	6.56	1004	6.90
8 950	4400	.995	946	.148	1105	.156	1177	1.66	1006	3.15	526	3.97	565	4.25	604	4.69	676	4.99	738	5.43	798	5.61	852	6.01	906	6.36	956	6.68	1004	7.02
9 160	4500	1.027	966	.152	1129	.160	1201	1.70	1026	3.25	526	4.09	565	4.37	604	4.81	676	5.11	738	5.55	798	5.73	852	6.13	906	6.48	956	6.80	1004	7.14
9 370	4600	1.059	986	.156	1153	.164	1225	1.74	1046	3.35	526	4.21	565	4.49	604	4.93	676	5.23	738	5.67	798	5.85	852	6.25	906	6.60	956	6.92	1004	7.26
9 580	4700	1.091	1006	.160	1177	.168	1249	1.78	1066	3.45	526	4.33	565	4.61	604	5.05	676	5.35	738	5.79	798	5.97	852	6.37	906	6.72	956	7.04	1004	7.38
9 790	4800	1.123	1026	.164	1201	.172	1273	1.82	1086	3.55	526	4.45	565	4.73	604	5.17	676	5.47	738	5.91	798	6.09	852	6.49	906	6.84	956	7.16	1004	7.50
10 000	4900	1.155	1046	.168	1225	.176	1297	1.86	1106	3.65	526	4.57	565	4.85	604	5.29	676	5.59	738	6.03	798	6.21	852	6.61	906	6.96	956	7.28	1004	7.62

S I N G L E W I D T H

Type ME Fan

No. 21

OUTLET AREA 2.497 SQ. FT.

SLOW SPEED WHEEL

S I N G L E I N L E T

WHEEL DIA. 21 INCHES
WHEEL CIRC. 6.496 FT.

CFM VOLUME	1/4" S P		3/8" S P		1/2" S P		5/8" S P		3/4" S P		7/8" S P		1" S P		1-1/4" S P		1-1/2" S P		1-3/4" S P		2" S P		2-1/4" S P		2-1/2" S P		3" S P	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2 500	269	.20	312	.26	364	.33	406	.41	449	.51	484	.69	516	.81	575	1.15	631	1.49	680	1.87	728	2.27	772	2.71	816	3.15	894	4.19
3 000	286	.27	331	.35	377	.43	418	.50	461	.58	500	.91	532	1.11	577	1.34	620	1.68	668	2.08	715	2.52	759	2.92	802	3.35	889	4.36
3 250	296	.32	343	.40	390	.49	433	.57	476	.65	514	.93	546	1.01	591	1.24	638	1.58	684	1.98	729	2.42	772	2.82	816	3.25	902	4.27
3 500	306	.36	354	.45	402	.54	445	.62	488	.72	529	.97	561	1.09	606	1.31	651	1.62	696	2.02	741	2.46	784	2.86	828	3.29	914	4.32
4 000	328	.43	374	.52	422	.62	465	.72	507	.81	548	1.08	580	1.21	624	1.44	667	1.74	710	2.14	752	2.58	794	2.98	838	3.41	924	4.44
4 250	338	.49	384	.59	432	.69	475	.79	517	.89	558	1.16	590	1.29	634	1.56	676	1.86	718	2.26	759	2.70	800	3.10	844	3.53	930	4.56
4 500	348	.55	394	.65	442	.75	485	.85	527	.95	568	1.22	600	1.35	644	1.62	686	1.92	728	2.32	769	2.76	810	3.16	854	3.59	940	4.62
4 750	358	.61	404	.71	452	.81	495	.91	537	1.01	578	1.28	610	1.41	654	1.68	696	1.98	738	2.38	779	2.82	820	3.20	864	3.63	950	4.68
5 000	368	.67	414	.77	462	.87	505	.97	547	1.07	588	1.34	620	1.47	664	1.74	706	2.04	748	2.48	789	2.92	830	3.34	874	3.77	960	4.74
5 250	378	.73	424	.83	472	.93	515	1.03	557	1.13	598	1.40	630	1.53	674	1.80	716	2.10	758	2.54	799	2.98	840	3.38	884	3.81	970	4.80
5 500	388	.79	434	.89	482	.99	525	1.09	567	1.19	608	1.46	640	1.59	684	1.86	726	2.16	768	2.60	809	3.02	850	3.42	894	3.85	980	4.86
5 750	398	.85	444	.95	492	1.05	535	1.15	577	1.25	618	1.52	650	1.65	694	1.92	736	2.22	778	2.66	819	3.10	860	3.54	904	3.97	990	4.92
6 000	408	.91	454	1.01	502	1.11	545	1.21	587	1.31	628	1.58	660	1.71	704	1.98	746	2.28	788	2.72	829	3.14	870	3.58	914	4.01	1000	4.98
6 250	418	.97	464	1.07	512	1.17	555	1.27	597	1.37	638	1.64	670	1.77	714	2.04	756	2.34	798	2.78	839	3.22	880	3.62	924	4.05	1010	5.04
6 500	428	1.03	474	1.13	522	1.23	565	1.33	607	1.43	648	1.70	680	1.83	724	2.10	766	2.40	808	2.82	849	3.26	890	3.66	934	4.09	1020	5.10
6 750	438	1.09	484	1.19	532	1.29	575	1.39	617	1.49	658	1.76	690	1.89	734	2.16	776	2.46	818	2.90	859	3.30	900	3.70	944	4.13	1030	5.16
7 000	448	1.15	494	1.25	542	1.35	585	1.45	627	1.55	668	1.82	700	1.95	744	2.22	786	2.52	828	2.94	869	3.34	910	3.74	954	4.17	1040	5.22
7 250	458	1.21	504	1.31	552	1.41	595	1.51	637	1.61	678	1.88	710	2.01	754	2.28	796	2.58	838	2.98	879	3.38	920	3.78	964	4.21	1050	5.28
7 500	468	1.27	514	1.37	562	1.47	605	1.57	647	1.67	688	1.94	720	2.07	764	2.34	806	2.64	848	3.02	889	3.42	930	3.82	974	4.25	1060	5.34
7 750	478	1.33	524	1.43	572	1.53	615	1.63	657	1.73	698	2.00	730	2.13	774	2.40	816	2.70	858	3.06	899	3.46	940	3.86	984	4.29	1070	5.40
8 000	488	1.39	534	1.49	582	1.59	625	1.69	667	1.79	708	2.06	740	2.19	784	2.46	826	2.76	868	3.10	909	3.50	950	3.90	994	4.33	1080	5.46
8 250	498	1.45	544	1.55	592	1.65	635	1.75	677	1.85	718	2.12	750	2.25	794	2.52	836	2.82	878	3.14	919	3.54	960	3.94	1004	4.37	1090	5.52
8 500	508	1.51	554	1.61	602	1.71	645	1.81	687	1.91	728	2.18	760	2.31	804	2.58	846	2.88	888	3.18	929	3.58	970	3.98	1014	4.41	1100	5.58
8 750	518	1.57	564	1.67	612	1.77	655	1.87	697	1.97	738	2.24	770	2.37	814	2.64	856	2.94	898	3.22	939	3.62	980	4.02	1024	4.45	1110	5.64
9 000	528	1.63	574	1.73	622	1.83	665	1.93	707	2.03	748	2.30	780	2.43	824	2.70	866	3.00	908	3.26	949	3.66	990	4.06	1034	4.49	1120	5.70
9 250	538	1.69	584	1.79	632	1.89	675	1.99	717	2.09	758	2.36	790	2.51	834	2.76	876	3.06	918	3.30	959	3.70	1000	4.10	1044	4.53	1130	5.76
9 500	548	1.75	594	1.85	642	1.95	685	2.05	727	2.15	768	2.42	800	2.57	844	2.82	886	3.10	928	3.34	969	3.74	1010	4.14	1054	4.57	1140	5.82
9 750	558	1.81	604	1.91	652	2.01	695	2.11	737	2.21	778	2.48	810	2.63	854	2.88	896	3.14	938	3.38	979	3.78	1020	4.18	1064	4.61	1150	5.88
10 000	568	1.87	614	1.97	662	2.07	705	2.17	747	2.27	788	2.54	820	2.71	864	3.00	906	3.26	948	3.42	989	3.82	1030	4.22	1074	4.65	1160	5.94
10 250	578	1.93	624	2.03	672	2.13	715	2.23	757	2.33	798	2.60	830	2.77	874	3.06	916	3.32	958	3.46	999	3.86	1040	4.26	1084	4.69	1170	6.00
10 500	588	1.99	634	2.09	682	2.19	725	2.29	767	2.39	808	2.66	840	2.83	884	3.10	926	3.36	968	3.50	1009	3.90	1050	4.30	1094	4.73	1180	6.06
10 750	598	2.05	644	2.15	692	2.25	735	2.35	777	2.45	818	2.72	850	2.89	894	3.16	936	3.42	978	3.54	1019	3.94	1060	4.34	1104	4.77	1190	6.12
11 000	608	2.11	654	2.21	702	2.31	745	2.41	787	2.51	828	2.78	860	2.95	904	3.22	946	3.48	988	3.62	1029	3.98	1070	4.38	1114	4.81	1200	6.18
11 250	618	2.17	664	2.27	712	2.37	755	2.47	797	2.57	838	2.84	870	3.01	914	3.28	956	3.54	998	3.66	1039	4.02	1080	4.42	1124	4.85	1210	6.24
11 500	628	2.23	674	2.33	722	2.43	765	2.53	807	2.63	848	2.90	880	3.07	924	3.34	966	3.60	1008	3.70	1049	4.06	1090	4.46	1134	4.89	1220	6.30
11 750	638	2.29	684	2.39	732	2.49	775	2.59	817	2.69	858	2.96	890	3.13	934	3.40	976	3.66	1018	3.74	1059	4.10	1100	4.50	1144	4.93	1230	6.36
12 000	648	2.35	694	2.45	742	2.55	785	2.65	827	2.75	868	3.02	900	3.20	944	3.46	986	3.72	1028	3.78	1069	4.14	1110	4.54	1154	4.97	1240	6.42

S I N G L E W I D T H

Type ME Fan

No. 24

OUTLET AREA 3.283 SQ. FT.

SLOW SPEED WHEEL

S I N G L E I N L E T

WHEEL DIA. 24 INCHES
WHEEL CIRC. 6.283 FT.

CFM VOLUME	1/4" S P		3/8" S P		1/2" S P		5/8" S P		3/4" S P		7/8" S P		1" S P		1-1/4" S P		1-1/2" S P		1-3/4" S P		2" S P		2-1/4" S P		2-1/2" S P		3" S P	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2 500	234	.25	278	.33	317	.42	353	.52	391	.64	421	.89	449	1.02	500	1.46	549	1.88	592	2.37	634	2.88	673	3.43	710	3.99	778	5.30
3 000	249	.30	293	.38	333	.50	369	.61	407	.75	437	1.09	467	1.27	518	1.69	567	2.00	610	2.57	652	3.13	692	3.71	730	4.30	798	5.30
3 250	259	.35	303	.43	343	.56	379	.67	417	.81	447	1.18	477	1.38	528	1.81	577	2.12	620	2.69	662	3.25	702	3.83	740	4.42	808	5.30
3 500	269	.40	313	.49	353	.61	389	.73	427	.87	457	1.27	487	1.47	538	1.91	587	2.22	630	2.79	672	3.35	712	3.93	750	4.52	818	5.30
4 000	289	.47	333	.57	373	.71	409	.83	447	.97	477	1.37	507	1.57	558	2.01	607	2.32	650	2.89	692	3.45						
4 250	299	.52	343	.62	383	.77	419	.89	457	1.03	487	1.37	517	1.57	568	2.01	617	2.32	660	2.89	702	3.45						
4 500	309	.57	353	.67	393	.83	429	.95	467	1.09	497	1.47	527	1.67	578	2.11	627	2.42	670	2.99	712	3.53						
4 750	319	.62	363	.72	403	.88	439	1.03	477	1.17	507	1.57	537	1.77	588	2.21	637	2.53	680	3.09	722	3.63						
5 000	329	.67	373	.77	413	.93	449	1.09	487	1.27	517	1.67	547	1.87	598	2.31	647	2.63	690	3.19	732	3.73						
5 250	339	.72	383	.83	423	1.03	459	1.17	497	1.37	527	1.77	557	1.97	608	2.41	657	2.73	700	3.29	742	3.83						
5 500	349	.77	393	.88	433	1.09	469	1.23	507	1.47	537	1.87	567	2.07	618	2.51	667	2.83	710	3.39	752	3.93						
5 750	359	.82	403	.93	443	1.15	479	1.29	517	1.57	547	1.97	577	2.17	628	2.61	677	2.93	720	3.49	762	4.03						
6 000	369	.87	413	1.03	453	1.21	489	1.33	527	1.67	557	2.07	587	2.27	638	2.69	687	3.03	730	3.59	772	4.13						
6 250	379	.92	423	1.08	463	1.27	499	1.39	537	1.73	567	2.13	597	2.33	648	2.77	697	3.13	740	3.69	782	4.23						
6 500	389	.97	433	1.13	473	1.31	509	1.43	547	1.83	577	2.17	607	2.37	658	2.81	707	3.17	750	3.73	792	4.33						
6 750	399	1.02	443	1.18	483	1.35	519	1.47	557	1.93	587	2.21	617	2.41	668	2.85	717	3.21	760	3.77	802	4.37						
7 000	409	1.07	453	1.23	493	1.39	529	1.51	567	2.03	597	2.25	627	2.45	678	2.89	727	3.25	770	3.81	812	4.41						
7 250	419	1.12	463	1.28	503	1.41	539	1.53	577	2.07	607	2.29	637	2.49	688	2.93	737	3.29	780	3.85	822	4.45						
7 500	429	1.17	473	1.33	513	1.43	549	1.57	587	2.11	617	2.33	647	2.53	698	2.97	747	3.33	790	3.89	832	4.49						
7 750	439	1.22	483	1.38	523	1.45	559	1.61	597	2.15	627	2.37	657	2.57	708	3.01	757	3.37	800	3.93	842	4.53						
8 000	449	1.27	493	1.43	533	1.47	569	1.65	607	2.19	637	2.41	667	2.61	718	3.05	767	3.41	810	3.97	852	4.57						
8 250	459	1.32	503	1.48	543	1.49	579	1.69	617	2.23	647	2.45	677	2.65	728	3.09	777	3.45	820	4.01	862	4.61						
8 500	469	1.37	513	1.53	553	1.51	589	1.73	627	2.27	657	2.49	687	2.69	738	3.13	787	3.49	830	4.05	872	4.65						
8 750	479	1.42	523	1.58	563	1.53	599	1.77	637	2.31	667	2.53	697	2.73	748	3.17	797	3.53	840	4.09	882	4.69						
9 000	489	1.47	533	1.63	573	1.55	609	1.81	647	2.35	677	2.57	707	2.77	758	3.21	807	3.57	850	4.13	892	4.73						
9 250	499	1.52	543	1.68	583	1.57	619	1.85	657	2.39	687	2.61	717	2.81	768	3.25	817	3.61	860	4.17	902	4.77						
9 500	509	1.57	553	1.73	593	1.59	629	1.89	667	2.43	697	2.65	727	2.85	778	3.29	827	3.65	870	4.21	912	4.81						
9 750	519	1.62	563	1.78	603	1.61	639	1.93	677	2.47	707	2.69	737	2.89	788	3.33	837	3.69	880	4.25	922	4.85						
10 000	529	1.67	573	1.83	613	1.63	649	1.97	687	2.51	717	2.73	747	2.93	798	3.37	847	3.73	890	4.29	932	4.89						
10 250	539	1.72	583	1.88	623	1.65	659	2.01	697	2.55	727	2.77	757	2.97	808	3.41	857	3.77	900	4.33	942	4.93						
10 500	549	1.77	593	1.93	633	1.67	669	2.05	707	2.59	737	2.81	767	3.01	818	3.45	867	3.81	910	4.37	952	4.97						
10 750	559	1.82	603	1.98	643	1.69	679	2.09	717	2.63	747	2.85	777	3.05	828	3.49	877	3.85	920	4.41	962	5.01						
11 000	569	1.87	613	2.03	653	1.71	689	2.13	727	2.67	757	2.89	787	3.09	838	3.53	887	3.89	930	4.45	972	5.05						
11 250	579	1.92	623	2.08	663	1.73	699	2.17	737	2.71	767	2.93	797	3.13	848	3.57	897	3.93	940	4.49	982	5.09						
11 500	589	1.97	633	2.13	673	1.75	709	2.21	747	2.75	777	2.97	807	3.17	858	3.61	907	3.97	950	4.53	992	5.13						
11 750	599	2.02	643	2.18	683	1.77	719	2.25	757	2.79	787	3.01	817	3.21	868	3.65	917	4.01	960	4.57	1002	5.17						
12 000	609	2.07	653	2.23	693	1.79	729	2.29	767	2.83	797	3.05	827	3.25	878	3.69	927	4.05	970	4.61	1012	5.21						
12 250	619	2.12	663	2.28	703	1.81	739	2.33	777	2.87	807	3.09	837	3.29	888	3.73	937	4.09	980	4.65	1022	5.25						
12 500	629	2.17	673	2.33	713	1.83	749	2.37	787	2.91	817	3.13	847	3.33	898	3.77	947	4.13	990	4.69	1032	5.29						
12 750	639	2.22	683	2.38	723	1.85	759	2.41	797	2.95	827	3.17	857	3.37	908	3.81	957	4.17	1000	4.73	1042	5.33						
13 000	649	2.27	693	2.43	733	1.87	769	2.45	807	2.99	837	3.21	867	3.41	918	3.85	967	4.21	1010	4.77	1052	5.37						
13 250	659	2.32	703	2.48	743	1.89	779	2.49	817	3.03	847	3.25	877	3.45	928	3.89	977	4.25	1020	4.81	1062	5.41						
13 500	669	2.37	713	2.53	753	1.91	789	2.53	827	3.07	857	3.29	887	3.49	938	3.93	987	4.29	1030	4.85	1072	5.45						
13 750	679	2.42	723	2.58	763	1.93	799	2.57	837	3.11	867	3.33	897	3.53	948	3.97	997	4.33	1040	4.89	1082	5.49						
14 000	689	2.47	733	2.63	773	1.95	809	2.61	847	3.15	877	3.37	907	3.57	958	4.01	1007	4.37	1050	4.93	1092	5.53						
14 250	699	2.52	743	2.68	783	1.97	819	2.65	857	3.19	887	3.41	917	3.61	968	4.05	1017	4.41	1060	4.97	1102	5.57						
14 500	709	2.57	753	2.73	793	1.99	829	2.69	867	3.23	897	3.45	927	3.65	978	4.09	1027	4.45	1070	5.01	1112	5.61						
14 750	719	2.62	763	2.78	803	2.01	839	2.73	877	3.27	907	3.49	937	3.69	988	4.13	1037	4.49	1080	5.05	1122	5.65						
15 000	729	2.67	773	2.83	813	2.03	849	2.77	907	3.31	927	3.53	957	3.73	1008	4.17	1047	4.53	1090	5.09	1132	5.69						
15 250	739	2.72	783	2.88	823	2.05	859	2.81	917	3.35	937	3.57	967	3.77	1018	4.21	1057	4.57	1100	5.13	1142	5.73						
15 500	749	2.77	793	2.93	833	2.07	869	2.85	927	3.39	947	3.61	977	3.81	1028	4.25	1067	4.61	1110	5.17	1152	5.77						
15 750	759	2.82	803	2.98	843	2.09	879	2.89	937	3.43	957	3.65	987	3.85	1038	4.29	1077	4.65	1120	5.21	1162	5.81						
16 000	769	2.87	813	3.03	853	2.11	889	2.93	947	3.47	967	3.69	997	3.89	1048	4.33	1087	4.69	1130	5.25	1172	5.85						

P.L. 4-2606-25-111

AIA File No. 30-D-1

SINGLE WIDITH
OUTLET AREA 4.126 SQ. FT.

NO. 27

Type ME Fan

SLOW SPEED WHEEL

SINGLE INLET
WHEEL DIA. 27 INCHES
WHEEL CIRC. 7.089 FT.

CPM VOLUME	VELOCITY		1/4" S P		3/8" S P		1/2" S P		5/8" S P		3/4" S P		7/8" S P		1" S P		1-1/4" S P		1-1/2" S P		1-3/4" S P		2" S P		2-1/4" S P		2-1/2" S P		3" S P	
	VELOCITY	FEED	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4 130	693	.007	207	.31	246	.43	280	.52	312	.65	346	.79	372	1.01	397	1.27	442	1.81	486	2.34	524	2.94	560	3.57	595	4.25	628	4.95	688	6.56
4 150	1100	.076	212	.31	250	.43	286	.53	320	.72	354	.86	384	1.09	414	1.34	454	1.94	494	2.44	534	3.04	574	3.64	609	4.34	644	5.04	704	8.14
4 170	1200	.090	220	.32	255	.45	290	.56	325	.77	359	.91	390	1.10	420	1.35	460	1.95	500	2.45	540	3.05	580	3.65	615	4.35	650	5.05	710	8.15
5 360	1300	.100	228	.33	260	.46	295	.57	330	.78	364	.92	396	1.12	426	1.36	466	1.96	506	2.46	546	3.06	586	3.66	621	4.36	656	5.06	716	8.16
5 780	1400	.122	236	.34	265	.47	297	.58	336	.81	370	.95	400	1.13	430	1.37	470	1.97	510	2.47	550	3.07	590	3.67	626	4.37	661	5.07	721	8.17
6 190	1500	.141	243	.35	270	.48	306	.60	342	.85	377	1.00	404	1.14	434	1.38	474	1.98	514	2.48	554	3.08	594	3.68	631	4.38	666	5.08	726	8.18
6 600	1600	.160	252	.36	276	.49	312	.62	348	.87	384	1.02	410	1.15	440	1.39	480	1.99	520	2.49	560	3.09	600	3.69	636	4.39	671	5.09	731	8.19
7 010	1700	.180	261	.37	280	.50	318	.64	354	.89	390	1.04	416	1.16	446	1.40	486	2.00	526	2.50	566	3.10	606	3.70	641	4.40	676	5.10	736	8.20
7 430	1800	.202	269	.38	285	.51	319	.65	360	.91	396	1.06	420	1.17	450	1.41	490	2.01	530	2.51	570	3.11	610	3.71	646	4.41	681	5.11	741	8.21
7 840	1900	.225	278	.39	303	.52	326	.66	366	.93	402	1.08	426	1.18	456	1.42	496	2.02	536	2.52	576	3.12	616	3.72	651	4.42	686	5.12	746	8.22
8 250	2000	.250	287	.40	312	.53	332	.68	372	.95	410	1.10	432	1.19	462	1.43	502	2.03	542	2.53	582	3.13	622	3.73	656	4.43	691	5.13	751	8.23
8 660	2100	.275	297	.41	321	.54	341	.69	384	.97	418	1.12	438	1.20	468	1.44	508	2.04	548	2.54	588	3.14	628	3.74	661	4.44	696	5.14	756	8.24
9 080	2200	.302	307	.42	331	.55	350	.70	396	.99	426	1.13	446	1.21	476	1.45	516	2.05	556	2.55	596	3.15	636	3.75	666	4.45	701	5.15	761	8.25
9 490	2300	.330	314	.43	340	.56	358	.71	408	1.01	434	1.14	454	1.22	484	1.46	524	2.06	564	2.56	604	3.16	644	3.76	676	4.46	706	5.16	766	8.26
9 900	2400	.360	320	.44	350	.57	368	.72	420	1.03	442	1.15	462	1.23	492	1.47	532	2.07	572	2.57	612	3.17	652	3.77	686	4.47	716	5.17	776	8.27
10 310	2500	.390	327	.45	359	.58	377	.73	426	1.05	450	1.16	470	1.24	500	1.48	540	2.08	580	2.58	620	3.18	660	3.78	696	4.48	726	5.18	786	8.28
10 720	2600	.420	334	.46	368	.59	386	.74	432	1.07	458	1.17	478	1.25	508	1.49	548	2.09	588	2.59	628	3.19	668	3.79	706	4.49	736	5.19	796	8.29
11 130	2700	.450	341	.47	377	.60	395	.75	438	1.09	466	1.18	486	1.26	516	1.50	556	2.10	596	2.60	636	3.20	676	3.80	716	4.50	746	5.20	806	8.30
11 540	2800	.480	348	.48	386	.61	404	.76	444	1.11	474	1.19	494	1.27	524	1.51	564	2.11	604	2.61	644	3.21	684	3.81	726	4.51	756	5.21	816	8.31
11 950	2900	.510	355	.49	395	.62	413	.77	450	1.13	482	1.20	502	1.28	532	1.52	572	2.12	612	2.62	652	3.22	692	3.82	736	4.52	766	5.22	826	8.32
12 360	3000	.560	362	.50	404	.63	422	.78	456	1.15	490	1.21	508	1.29	538	1.53	578	2.13	618	2.63	658	3.23	698	3.83	746	4.53	776	5.23	836	8.33
13 270	3100	.610	369	.51	413	.64	431	.79	462	1.17	498	1.22	514	1.30	544	1.54	584	2.14	624	2.64	664	3.24	704	3.84	756	4.54	786	5.24	846	8.34
14 180	3200	.660	376	.52	422	.65	440	.80	468	1.19	506	1.23	520	1.31	550	1.55	590	2.15	630	2.65	670	3.25	710	3.85	766	4.55	796	5.25	856	8.35
14 590	3300	.710	383	.53	431	.66	449	.81	474	1.21	514	1.24	526	1.32	556	1.56	596	2.16	636	2.66	676	3.26	716	3.86	776	4.56	806	5.26	866	8.36
15 000	3400	.760	390	.54	440	.67	458	.82	480	1.23	522	1.25	532	1.33	562	1.57	602	2.17	642	2.67	682	3.27	722	3.87	786	4.57	816	5.27	876	8.37
15 410	3500	.810	397	.55	449	.68	467	.83	486	1.25	530	1.26	538	1.34	568	1.58	608	2.18	648	2.68	688	3.28	728	3.88	796	4.58	826	5.28	886	8.38
15 820	3600	.860	404	.56	458	.69	476	.84	492	1.27	538	1.27	544	1.35	574	1.59	614	2.19	654	2.69	694	3.29	734	3.89	806	4.59	836	5.29	896	8.39
16 230	3700	.910	411	.57	467	.70	485	.85	500	1.29	546	1.28	550	1.36	580	1.60	620	2.20	660	2.70	700	3.30	740	3.90	816	4.60	846	5.30	906	8.40
16 640	3800	.960	418	.58	476	.71	494	.86	506	1.31	554	1.29	556	1.37	586	1.61	626	2.21	666	2.71	706	3.31	746	3.91	826	4.61	856	5.31	916	8.41
17 050	3900	1.010	425	.59	485	.72	503	.87	512	1.33	562	1.30	562	1.38	592	1.62	632	2.22	672	2.72	712	3.32	752	3.92	836	4.62	866	5.32	926	8.42
17 460	4000	1.060	432	.60	494	.73	512	.88	518	1.35	570	1.31	568	1.39	600	1.63	640	2.23	680	2.73	720	3.33	760	3.93	846	4.63	876	5.33	936	8.43
17 870	4100	1.110	439	.61	503	.74	521	.89	524	1.37	578	1.32	574	1.40	606	1.64	646	2.24	686	2.74	726	3.34	766	3.94	856	4.64	886	5.34	946	8.44
18 280	4200	1.160	446	.62	512	.75	530	.90	530	1.39	586	1.33	580	1.41	612	1.65	652	2.25	692	2.75	732	3.35	772	3.95	866	4.65	896	5.35	956	8.45
18 690	4300	1.210	453	.63	521	.76	539	.91	536	1.41	594	1.34	586	1.42	618	1.66	658	2.26	698	2.76	738	3.36	778	3.96	876	4.66	906	5.36	966	8.46
19 100	4400	1.260	460	.64	530	.77	548	.92	542	1.43	602	1.35	592	1.43	624	1.67	664	2.27	704	2.77	744	3.37	784	3.97	886	4.67	916	5.37	976	8.47
19 510	4500	1.310	467	.65	539	.78	557	.93	548	1.45	610	1.36	598	1.44	630	1.68	670	2.28	710	2.78	750	3.38	790	3.98	896	4.68	926	5.38	986	8.48
19 920	4600	1.360	474	.66	548	.79	566	.94	554	1.47	618	1.37	604	1.45	636	1.69	676	2.29	716	2.79	756	3.39	796	3.99	906	4.69	936	5.39	996	8.49
20 330	4700	1.410	481	.67	557	.80	575	.95	560	1.49	626	1.38	610	1.46	642	1.70	682	2.30	722	2.80	762	3.40	802	4.00	916	4.70	946	5.40	1000	8.50

S I N G L E W I D T H

O U T L E T A R E A 6.165 S Q. FT.

Type ME Fan

NO. 33

S L O W S P E E D W H E E L

S I N G L E I N L E T

W H E E L D I A. 35 I N C H E S
W H E E L C I R C. 9.635 F T.

CFM VOLUME	1/4" S P		3/8" S P		1/2" S P		5/8" S P		3/4" S P		7/8" S P		1" S P		1-1/4" S P		1-1/2" S P		1-3/4" S P		2" S P		2-1/4" S P		2-1/2" S P		3" S P	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6 170	1000	1.05	201	.61	229	.77	255	.95	283	1.17	305	1.42	325	1.87	344	2.66	395	3.54	428	4.33	458	5.25	486	6.26	514	7.38	563	9.67
8 070	1100	1.26	231	.81	251	.86	277	1.05	300	1.26	320	1.58	345	2.02	361	2.87	410	3.90	442	4.80	470	5.82	500	6.83	531	8.01	580	10.06
9 540	1200	1.50	259	.95	281	1.00	309	1.26	331	1.51	350	1.74	375	2.32	392	3.09	439	4.16	471	5.10	500	6.19	531	7.24	563	8.42	612	11.02
10 480	1300	1.74	287	1.07	309	1.12	331	1.42	354	1.65	375	1.99	400	2.63	417	3.44	464	4.52	496	5.46	525	6.59	556	7.72	588	9.00	637	13.50
11 420	1400	1.98	317	1.21	339	1.27	361	1.65	384	1.88	405	2.23	430	3.09	447	3.95	494	5.04	526	5.98	555	7.21	586	8.44	618	9.73	667	15.00
12 360	1500	2.22	347	1.35	369	1.41	391	1.84	417	2.09	438	2.42	463	3.45	480	4.30	527	5.38	559	6.32	588	7.55	619	8.78	650	10.06	699	16.50
13 300	1600	2.46	377	1.49	399	1.55	419	2.08	447	2.32	469	2.75	494	3.80	511	4.65	558	5.73	590	6.67	619	7.90	650	9.13	681	10.39	730	18.00
14 240	1700	2.70	407	1.63	429	1.69	449	2.32	477	2.56	499	2.99	524	4.04	541	4.90	590	6.00	622	6.94	651	8.17	682	9.39	713	10.62	762	20.00
15 180	1800	2.94	437	1.77	459	1.83	479	2.56	507	2.80	529	3.23	554	4.34	571	5.20	620	7.13	652	8.07	681	9.34	712	10.51	743	11.80	792	22.50
16 120	1900	3.18	467	1.91	489	1.99	509	2.80	537	3.04	559	3.66	584	4.65	601	5.51	650	8.13	682	9.07	711	10.34	742	11.63	773	12.91	822	25.00
17 060	2000	3.42	497	2.05	519	2.13	539	3.04	567	3.28	589	3.88	614	4.87	631	5.73	680	8.80	712	9.74	741	11.07	772	12.19	803	13.30	852	27.50
18 000	2100	3.66	527	2.19	549	2.27	569	3.28	597	3.52	619	4.11	644	5.10	661	5.96	710	9.57	742	10.49	771	11.70	802	12.50	833	13.81	882	30.00
19 940	2200	3.90	557	2.33	579	2.41	599	3.52	627	3.76	649	4.35	674	5.34	691	6.20	740	10.40	772	11.31	801	12.41	832	13.20	863	14.32	912	32.50
20 880	2300	4.14	587	2.47	609	2.55	629	3.76	657	4.00	679	4.59	704	5.58	721	6.44	770	11.30	802	12.21	831	13.12	862	14.11	893	15.13	942	35.00
21 820	2400	4.38	617	2.61	639	2.69	659	3.90	687	4.24	709	4.78	734	5.77	751	6.63	800	12.20	832	13.01	861	13.92	892	14.71	923	15.54	972	37.50
22 760	2500	4.62	647	2.75	669	2.83	689	4.14	717	4.48	739	5.02	764	6.00	781	6.86	830	13.10	862	13.90	891	14.81	922	15.60	953	16.45	1002	40.00
23 700	2600	4.86	677	2.89	699	2.97	719	4.38	747	4.72	769	5.26	794	6.19	811	7.05	860	14.00	892	14.80	921	15.71	952	16.50	983	17.41	1032	42.50
24 640	2700	5.10	707	3.03	729	3.05	749	4.62	777	4.96	799	5.40	824	6.32	841	7.18	890	14.90	922	15.80	951	16.81	982	17.41	1013	18.32	1062	45.00

S I N G L E W I D T H

O U T L E T A R E A 7.357 S Q. FT.

Type ME Fan

NO. 36

S L O W S P E E D W H E E L

S I N G L E I N L E T

W H E E L D I A. 35 I N C H E S
W H E E L C I R C. 9.435 F T.

CFM VOLUME	1/4" S P		3/8" S P		1/2" S P		5/8" S P		3/4" S P		7/8" S P		1" S P		1-1/4" S P		1-1/2" S P		1-3/4" S P		2" S P		2-1/4" S P		2-1/2" S P		3" S P	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7 340	1000	1.05	181	.61	210	.92	234	1.11	259	1.29	279	1.78	297	2.22	332	3.17	362	4.09	392	5.15	420	6.25	446	7.44	471	8.67	516	11.50
8 070	1100	1.26	197	.81	224	1.03	251	1.26	277	1.50	297	1.93	315	2.36	351	3.42	382	4.35	412	5.42	440	6.54	466	7.75	492	9.00	537	13.50
9 540	1200	1.50	217	.95	244	1.19	271	1.42	297	1.65	317	2.07	335	2.56	372	3.67	402	4.60	432	5.67	460	6.80	486	8.01	512	9.26	553	15.00
10 480	1300	1.74	237	1.07	264	1.24	291	1.58	317	1.88	337	2.29	355	2.80	392	3.92	418	4.85	448	5.92	476	7.04	502	8.25	528	9.50	569	16.50
11 420	1400	1.98	257	1.21	284	1.41	311	1.74	337	2.12	357	2.63	375	3.14	412	4.26	438	5.19	468	6.26	496	7.38	522	8.59	548	9.84	589	18.00
12 360	1500	2.22	277	1.35	304	1.55	331	1.98	357	2.30	377	2.81	395	3.32	432	4.44	458	5.37	488	6.44	516	7.56	542	8.77	568	10.02	609	20.00
13 300	1600	2.46	297	1.49	324	1.75	351	2.22	377	2.54	397	3.05	415	3.56	452	4.68	478	5.61	508	6.68	536	7.79	562	8.99	588	10.26	629	22.50
14 240	1700	2.70	317	1.63	344	1.91	371	2.46	397	2.78	417	3.27	435	3.78	472	4.90	498	5.83	528	6.90	556	8.01	582	9.21	608	10.46	649	25.00
15 180	1800	2.94	337	1.77	364	2.09	391	2.70	417	3.00	437	3.51	455	4.02	492	5.14	518	6.07	548	7.14	576	8.25	602	9.46	628	10.66	669	27.50
16 120	1900	3.18	357	1.91	384	2.23	411	2.94	437	3.24	457	3.81	475	4.32	512	5.44	538	6.37	568	7.44	596	8.55	622	9.76	648	10.96	689	30.00
17 060	2000	3.42	377	2.05	404	2.41	431	3.18	457	3.48	477	4.01	495	4.52	532	5.64	558	6.57	588	7.64	616	8.75	642	9.96	668	11.16	709	32.50
18 000	2100	3.66	397	2.19	424	2.59	451	3.42	477	3.72	497	4.25	515	4.76	552	5.88	578	6.81	608	7.88	636	8.99	662	10.19	688	11.37	729	35.00
19 940	2200	3.90	417	2.33	444	2.79	471	3.66	497	4.00	517	4.59	535	5.10	572	6.22	598	7.15	628	8.22	656	9.33	682	10.54	708	11.75	749	37.50
20 880	2300	4.14	437	2.47	464	2.97	491	3.90	517	4.24	537	4.78	555	5.29	592	6.40	618	7.33	648	8.40	676	9.51	702	10.72	728	11.93	769	40.00
21 820	2400	4.38	457	2.61	484	3.17	511	4.14	537	4.58	557	5.07	575	5.58	612	6.70	638	7.63	668	8.70	696	9.81	722	10.93	748	12.14	789	42.50
22 760	2500	4.62	477	2.75	504	3.31	531	4.38	557	4.90	577	5.39	595	5.90	632	7.02	658	7.95	688	8.92	716	10.03	742	11.25	768	12.46	809	45.00

P L. #3605-25-1M

A I A F i l e N o. 30-D-1

PL-#3605-25-1M

AIA File No. 30-D-1

SINGLE INLET

WHEEL DIA. 39 INCHES
WHEEL CIRC. 10.210 FT.

NO. 39

TYPE ME FAN

SLOW SPEED WHEEL

CFM VOLUME	1/4" S P		3/8" S P		1/2" S P		5/8" S P		3/4" S P		7/8" S P		1" S P		1-1/4" S P		1-1/2" S P		1-3/4" S P		2" S P		2-1/4" S P		2-1/2" S P		3" S P	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8 610	1000	0.63	147	0.85	194	1.08	216	1.33	237	1.63	258	2.00	275	2.61	306	3.72	336	4.81	362	6.05	388	7.88	412	8.74	435	10.18	476	13.50
9 170	1100	0.76	170	0.98	218	1.35	237	1.77	257	2.09	274	2.44	295	3.00	305	3.72	334	5.11	361	6.72	387	8.13	411	9.10	432	10.55	474	14.06
10 350	1200	0.90	189	1.14	218	1.57	222	2.00	240	2.35	259	2.65	275	3.00	305	3.72	334	5.11	361	6.72	388	7.88	412	8.74	435	10.18	476	13.50
11 170	1300	1.06	198	1.30	200	1.79	222	2.31	242	2.65	281	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
12 320	1500	1.11	163	1.37	188	1.69	208	2.01	225	2.31	242	2.65	275	3.00	305	3.72	334	5.11	361	6.72	388	7.88	412	8.74	435	10.18	476	13.50
13 780	1600	1.60	175	1.92	212	2.25	237	2.57	268	3.00	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
14 640	1700	1.80	181	2.06	212	2.71	246	3.11	268	3.57	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
15 300	1800	2.02	186	2.13	221	2.79	252	3.30	285	3.72	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
16 360	1900	2.25	192	2.24	225	3.11	268	3.57	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	391	9.74	412	10.11	432	11.56	474	14.06
17 220	2000	2.50	198	2.66	231	3.45	281	3.86	281	4.31	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
18 080	2100	2.75	205	2.99	237	3.80	292	4.20	295	4.65	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
19 610	2200	3.02	212	3.26	242	4.20	295	4.65	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	391	9.74	412	10.11	432	11.56	474	14.06
20 670	2300	3.30	218	3.57	248	4.65	295	5.08	281	5.53	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
21 550	2500	3.90	230	4.08	261	5.08	295	5.53	281	6.05	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
22 370	2600	4.38	248	4.58	280	5.62	295	6.05	281	6.50	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
23 250	2800	4.89	255	4.95	295	6.05	295	6.50	281	6.95	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
24 110	3000	5.60	260	5.60	300	6.50	295	6.95	281	7.40	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
25 560	3200	6.48	265	5.88	305	7.00	295	7.40	281	7.85	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
26 280	3400	7.21	270	6.18	310	7.45	295	7.85	281	8.30	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
27 520	3600	8.09	275	6.60	315	7.90	295	8.30	281	8.75	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
28 720	3800	9.00	280	7.05	320	8.35	295	8.75	281	9.20	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06
29 540	4000	9.98	285	7.50	325	8.80	295	9.20	281	9.65	271	3.16	295	3.57	306	4.31	338	5.82	362	8.79	391	9.74	412	10.11	432	11.56	474	14.06

SINGLE INLET

WHEEL DIA. 44 INCHES
WHEEL CIRC. 11.619 FT.

NO. 44

TYPE ME FAN

SLOW SPEED WHEEL

CFM VOLUME	1/4" S P		3/8" S P		1/2" S P		5/8" S P		3/4" S P		7/8" S P		1" S P		1-1/4" S P		1-1/2" S P		1-3/4" S P		2" S P		2-1/4" S P		2-1/2" S P		3" S P			
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
8 960	1000	0.63	127	0.82	172	1.08	191	1.37	212	1.70	212	2.08	228	2.55	244	3.32	271	4.73	298	6.12	321	7.70	344	9.77	365	11.13	385	12.95	422	17.19
9 120	1100	0.76	135	0.97	173	1.25	191	1.57	210	1.87	210	2.45	227	2.85	244	3.52	271	5.11	298	6.50	321	8.51	344	10.35	364	11.58	384	13.55	422	17.19
10 350	1200	0.90	152	1.15	175	1.45	193	1.77	212	2.07	212	2.65	227	3.10	243	3.82	271	5.11	298	6.50	321	8.51	344	10.35	364	11.58	384	13.55	422	17.19
11 170	1300	1.06	160	1.31	180	1.66	195	2.00	211	2.31	211	2.68	227	3.10	243	3.82	271	5.11	298	6.50	321	8.51	344	10.35	364	11.58	384	13.55	422	17.19
12 320	1500	1.11	169	1.51	184	2.15	200	2.55	215	2.94	215	3.54	230	3.73	244	4.13	271	5.11	298	6.50	321	8.51	344	10.35	364	11.58	384	13.55	422	17.19
13 780	1600	1.60	175	2.03	187	2.44	203	2.87	217	3.28	217	3.72	232	4.14	245	4.54	272	5.11	298	6.50	321	8.51	344	10.35	364	11.58	384	13.55	422	17.19
14 640	1700	1.80	181	2.23	192	2.71	208	3.15	224	3.59	224	4.53	237	4.53	251	4.93	272	5.11	298	6.50	321	8.51	344	10.35	364	11.58	384	13.55	422	17.19
15 300	1800	2.02	186	2.62	198	3.09	211	3.53	224	4.05	224	4.53	237	4.53	251	4.93	272	5.11	298	6.50	321	8.51	344	10.35	364	11.58	384	13.55	422	17.19
16 360	1900	2.25	192	2.98	205	3.45	218	3.96	231	4.45	231	4.99	244	5.16	253	5.46	272	5.11	298	6.50	321	8.51	344	10.35	364	11.58	384	13.55	422	17.19
17 220	2000	2.50	198	3.48	205	3.87	224	4.31	231	4.91	231	5.47	244	5.63	256	5.79	272	5.11	298	6.50	321	8.51	344	10.35	364	11.58	384	13.55	422	17.19
18 080	2100	2.75	205	3.80	210	4.32	234	4.84	234	5.38	234	5.98	247	6.56	259	6.82	272	5.11	298	6.50	321	8.51	344	10.35	364	11.58	384	13.55	422	17.19
19 610	2200	3.02	212	4.28	215	4.80	238	5.32	239	5.92	239	6.54	251	7.09	262	7.72	285	8.86	307	10.05	327	11.37	346	12.40	365	13.55	384	14.97	420	17.90
20 670	2300	3.30	218	4.79	215	5.36	243	5.83	243	6.48	243	7.03	256	7.71	266	8.48	288	9.57	312	10.75	332	12.36	350	14.13	368	15.35	384	16.70	420	19.60
21 550	2500	3.90	230	5.25	220	6.05	253	6.53	253	7.10	249	7.72	266	8.48	270	9.01	292	10.33	312	11.58	332	12.36	350	14.13	368	15.35	384	16.70	420	19.60
22 370	2600	4.38	248	5.88	231	6.46	265	7.00	254	7.75	254	8.42	264	9.02	274	9.75	295	11.05	315	12.46	334	13.79	352	15.05	371	16.40	387	17.55	421	20.50
23 250	2800	4.89	255	6.40	240	7.14	280	7.60	259	8.38	259	9.14	269	9.70	278	10.45	295	11.32	318	13.27	337	14.67	355	16.11	373	17.39	389	18.74	421	21.50
24 110	3000	5.60	260	7.40	246	8.30	286	8.80	259	9.58	259	10.70	269	11.35	279	12.09	307	13.66	325	15.15	344	16.67	362	18.15	378	19.60	394	21.10	425	24.10
25 560	3200	6.48	265	8.30	257	9.11	295	9.60	260	10.38	260	11.17	270	11.76	280	12.56	307	14.09	325	15.15	344	16.67	362	18.15	378	19.60	394	21.10	425	24.10
26 280	3400	7.21	270	9.11	261	10.00	295	10.50	265	11.29	265	12.10	275	12.69	285	13.52	316	15.49	333	17.19	351	18.82	369	20.40	384	22.10	390	23.60	429	26.70
27 400	3600	8.09	275	10.00	271	11.00	282	11.51	271	12.31	271	13.19	282	13.78	292	14.64	325	17.66	343	19.51	359	21.32	376	23.50	392	24.70	406	26.20	435	32.80
28 500	3800	8.98	280	11.00	282	12.00	295	12.51	282	13.34	282	14.22	295	14.89	305	15.76	339	18.52	357	20.30	372	22.10	390	24.10	403	25.70	413	29.20	441	32.80
29 600	4000	9.87	285	12.00	295	13.00	295	13.51	295	14.34	295	15.22	305	15.89	315	16.76	351	19.32	369	21.10	384	22.10	390	23.50	406	26.20	420	29.20	441	32.80
30 700	4200	10.76	290	13.00	300	13.50	295	14.00	300	14.83	300	15.71	310	16.44	320	17.30	369	20.10	384	22.10	390	23.50	406	26.20	420	29.20	441	32.80	441	32.80
31 800	4400	11.65	295	14.00	305	14.50	305	14.50	305	15.33	305	16.21	315	17.09	325	17.98	372	21.10	390	23.50	406	26.20	420	29.20	441	32.80	441	32.80	441	32.80
32 900	4600	12.54	300	15.00	310	15.00	310	15.00	310	15.83	310	16.71	320	17.60	330	18.49	384	22.10	390	23.50	406	26.20	420	29.20	441	32.80	441	32.80	441	32.80
33 000	4800	13.43	305	16.00	315	15.50	315	15.50	315	16.33	315	17.21	325	18.49	335	19.38	399	23.50	406	26.20	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80
34 100	5000	14.32	310	17.00	320	16.00	320	16.00	320	16.83	320	17.71	330	19.38	340	20.26	403	24.10	413	25.00	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80
35 200	5200	15.21	315	18.00	325	16.50	325	16.50	325	17.33	325	18.61	335	20.26	345	21.14	413	25.00	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
36 300	5400	16.10	320	19.00	330	17.00	330	17.00	330	18.21	330	19.49	340	21.14	350	22.02	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
37 400	5600	17.00	325	20.00	335	17.50	335	17.50	335	19.01	335	20.29	345	22.02	355	22.90	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
38 500	5800	17.89	330	21.00	340	18.00	340	18.00	340	20.01	340	21.29	350	22.90	360	23.79	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
39 600	6000	18.78	335	22.00	345	18.50	345	18.50	345	21.01	345	22.29	355	23.79	365	24.68	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
40 700	6200	19.67	340	23.00	350	19.00	350	19.00	350	22.01	350	23.29	360	24.68	370	25.57	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
41 800	6400	20.56	345	24.00	355	19.50	355	19.50	355	23.01	355	24.29	365	25.57	375	26.46	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
42 900	6600	21.45	350	25.00	360	20.00	360	20.00	360	24.01	360	25.29	370	26.46	380	27.35	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
43 000	6800	22.34	355	26.00	365	20.50	365	20.50	365	25.01	365	26.29	375	27.35	385	28.24	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
44 100	7000	23.23	360	27.00	370	21.00	370	21.00	370	26.01	370	27.29	380	28.24	390	29.13	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
45 200	7200	24.12	365	28.00	375	21.50	375	21.50	375	27.01	375	28.29	385	29.13	395	30.02	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
46 300	7400	25.01	370	29.00	380	22.00	380	22.00	380	28.01	380	29.29	390	30.02	400	30.91	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
47 400	7600	25.90	375	30.00	385	22.50	385	22.50	385	29.01	385	30.29	395	30.91	405	31.80	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
48 500	7800	26.79	380	31.00	390	23.00	390	23.00	390	30.01	390	31.29	400	31.80	410	32.69	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
49 600	8000	27.68	385	32.00	395	23.50	395	23.50	395	31.01	395	32.29	405	32.69	415	33.58	420	29.20	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80	441	32.80
50 700	8200	28.57	390	33.00	400	24.00	400	24.00	400	32.01	400	33.29	410	33.58	420	34.47														

SINGLE WIDTH

Type ME Fan

NO. 49

SLOW SPEED WHEEL

SINGLE INLET

WHEEL DIA. 49 INCHES
WHEEL CIRC. 15.625 FT.

CFM VOLUME	1/4" S P	3/8" S P	1/2" S P	5/8" S P	3/4" S P	7/8" S P	1" S P		1-1/4" S P		1-1/2" S P		1-3/4" S P		2" S P		2-1/4" S P		2-1/2" S P		3" S P	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13 590	1000	0.63	135	1.70	172	2.10	190	2.58	205	3.29	219	4.11	268	7.58	289	9.54	308	11.59	328	13.80	346	16.06
14 590	1100	0.76	145	1.85	182	2.25	198	2.78	215	3.54	230	4.36	280	8.06	299	10.04	318	12.12	338	14.35	356	16.80
15 590	1200	0.90	155	2.00	192	2.57	208	3.05	225	3.84	240	4.74	285	8.58	304	10.60	323	12.66	343	15.18	361	17.65
16 590	1300	1.06	165	2.15	200	2.91	218	3.33	235	4.12	250	5.12	290	9.87	309	11.36	328	13.55	348	16.80	366	19.30
17 590	1400	1.22	175	2.30	210	3.21	228	3.66	245	4.65	260	5.63	295	10.70	314	12.36	333	14.83	353	18.56	372	21.30
18 590	1500	1.41	185	2.45	220	3.54	238	4.00	255	5.12	270	6.12	305	11.55	319	13.05	338	15.76	358	19.80	377	22.20
19 590	1600	1.60	195	2.60	230	3.82	248	4.35	265	5.60	280	6.60	315	12.46	324	13.80	343	16.66	363	21.60	382	23.40
20 590	1700	1.80	205	2.75	240	4.10	258	4.68	275	6.08	290	7.12	325	13.36	330	14.60	348	17.56	368	23.00	387	24.30
21 590	1800	2.00	215	2.90	250	4.35	268	4.92	285	6.56	300	7.56	335	14.26	336	15.40	353	18.46	373	24.90	392	25.40
22 590	1900	2.20	225	3.05	260	4.60	278	5.17	295	6.96	310	8.00	345	15.16	342	16.20	358	19.36	378	25.40	397	26.40
23 590	2000	2.40	235	3.20	270	4.85	288	5.42	305	7.36	320	8.44	355	16.06	348	17.00	363	20.26	383	26.00	402	27.40
24 590	2100	2.60	245	3.35	280	5.10	298	5.67	315	7.76	330	8.88	365	16.96	354	17.80	368	21.16	388	26.60	407	28.40
25 590	2200	2.80	255	3.50	290	5.35	308	5.92	325	8.16	340	9.32	375	17.86	360	18.60	373	22.06	393	27.20	412	29.40
26 590	2300	3.00	265	3.65	300	5.60	318	6.17	335	8.56	350	9.76	385	18.76	366	19.40	378	22.96	398	28.00	417	30.40
27 590	2400	3.20	275	3.80	310	5.85	328	6.42	345	8.96	360	10.20	395	19.76	372	20.20	383	23.86	403	28.60	422	31.40
28 590	2500	3.40	285	3.95	320	6.10	338	6.67	355	9.36	370	10.64	405	20.76	378	21.00	388	24.76	408	29.20	427	32.40
29 590	2600	3.60	295	4.10	330	6.35	348	6.92	365	9.76	380	11.08	415	21.76	384	21.80	393	25.66	413	30.00	432	33.40
30 590	2700	3.80	305	4.25	340	6.60	358	7.17	375	10.16	390	11.52	425	22.76	390	22.60	398	26.56	418	30.60	437	34.40
31 590	2800	4.00	315	4.40	350	6.85	368	7.42	385	10.56	400	11.96	435	23.76	396	23.40	403	27.46	423	31.20	442	35.40
32 590	2900	4.20	325	4.55	360	7.10	378	7.67	395	10.96	410	12.40	445	24.76	402	24.20	408	28.36	428	31.80	447	36.40
33 590	3000	4.40	335	4.70	370	7.35	388	7.92	405	11.36	420	12.84	455	25.76	408	25.00	413	29.26	433	32.40	452	37.40
34 590	3100	4.60	345	4.85	380	7.60	398	8.17	415	11.80	430	13.28	465	26.76	414	25.80	418	30.16	438	33.00	457	38.40
35 590	3200	4.80	355	5.00	390	7.85	408	8.42	425	12.24	440	13.72	475	27.76	420	26.60	423	31.06	443	33.60	462	39.40
36 590	3300	5.00	365	5.15	400	8.10	418	8.67	435	12.68	450	14.16	485	28.76	426	27.40	428	31.96	448	34.20	467	40.40
37 590	3400	5.20	375	5.30	410	8.35	428	8.92	445	13.12	460	14.60	495	29.76	432	28.20	433	32.86	453	34.80	472	41.40
38 590	3500	5.40	385	5.45	420	8.60	438	9.17	455	13.56	470	15.04	505	30.76	438	29.00	438	33.76	458	35.40	477	42.40
39 590	3600	5.60	395	5.60	430	8.85	448	9.42	465	14.00	480	15.48	515	31.76	444	29.80	443	34.66	463	36.00	482	43.40
40 590	3700	5.80	405	5.75	440	9.10	458	9.67	475	14.44	490	15.92	525	32.76	450	30.60	448	35.56	468	36.60	487	44.40
41 590	3800	6.00	415	5.90	450	9.35	468	9.92	485	14.88	500	16.36	535	33.76	456	31.40	453	36.46	473	37.20	492	45.40
42 590	3900	6.20	425	6.05	460	9.60	478	10.17	495	15.32	510	16.80	545	34.76	462	32.20	458	37.36	478	37.80	497	46.40
43 590	4000	6.40	435	6.20	470	9.85	488	10.42	505	15.76	520	17.24	555	35.76	468	33.00	463	38.26	483	38.40	502	47.40
44 590	4100	6.60	445	6.35	480	10.10	498	10.67	515	16.20	530	17.68	565	36.76	474	33.80	468	39.16	488	39.00	507	48.40
45 590	4200	6.80	455	6.50	490	10.35	508	10.92	525	16.64	540	18.12	575	37.76	480	34.60	473	40.06	493	39.60	512	49.40
46 590	4300	7.00	465	6.65	500	10.60	518	11.17	535	17.08	550	18.56	585	38.76	486	35.40	478	40.96	498	40.20	517	50.40
47 590	4400	7.20	475	6.80	510	10.85	528	11.42	545	17.52	560	19.00	595	39.76	492	36.20	483	41.86	503	40.80	522	51.40
48 590	4500	7.40	485	6.95	520	11.10	538	11.67	555	17.96	570	19.44	605	40.76	498	37.00	488	42.76	508	41.40	527	52.40
49 590	4600	7.60	495	7.10	530	11.35	548	11.92	565	18.40	580	19.88	615	41.76	504	37.80	493	43.66	513	42.00	532	53.40
50 590	4700	7.80	505	7.25	540	11.60	558	12.17	575	18.84	590	20.32	625	42.76	510	38.60	498	44.56	518	42.60	537	54.40

SINGLE WIDTH

Type ME Fan

NO. 54

SLOW SPEED WHEEL

SINGLE INLET

WHEEL DIA. 54 INCHES
WHEEL CIRC. 16.125 FT.

CFM VOLUME	1/4" S P		3/8" S P		1/2" S P		5/8" S P		3/4" S P		7/8" S P		1" S P		1-1/4" S P		1-1/2" S P		1-3/4" S P		2" S P		2-1/4" S P		2-1/2" S P		3" S P	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16 510	1000	0.63	103	1.23	123	1.53	143	1.83	163	2.13	186	2.43	206	2.73	221	3.03	236	3.33	251	3.63	266	3.93	281	4.23	296	4.53	311	4.83
17 510	1100	0.76	106	1.35	135	1.65	155	1.95	175	2.25	198	2.55	218	2.85	233	3.15	248	3.45	263	3.75	278	4.05	293	4.35	308	4.65	323	4.95
18 510	1200	0.90	110	1.70	137	2.18	143	2.32	157	2.67	186	3.12	198	3.40	213	3.68	228	3.96	243	4.24	258	4.52	273	4.80	288	5.08	303	5.36
19 510	1300	1.06	114	1.97	139	2.50	145	3.03	159	3.48	185	4.07	198	4.36	213	4.64	228	4.92	243	5.20	258	5.48	273	5.76	288	6.04	303	6.32
20 510	1400	1.22	118	2.24	142	2.54	156	3.18	169	3.62	187	4.21	198	4.50	213	4.78	228	5.06	243	5.34	258	5.62	273	5.90	288	6.18	303	6.46
21 510	1500	1.41	122	2.54	150	3.27	155	3.67	173	4.12	189	4.71	200	5.00	215	5.28	230	5.56	245	5.84	260	6.12	275	6.40	290	6.68	305	6.96
22 510	1600	1.60	126	3.01	140	3.67	153	4.32	165	4.84	189	5.43	206	5.96	221	6.24	236	6.52	251	6.80	266	7.08	281	7.36	296	7.64	311	7.92
23 510	1700	1.80	130	3.45	143	4.12	156	4.81	168	5.51	195	6.10	202	6.39	217	6.67	232	6.95	247	7.23	262	7.51	277	7.79	292	8.07	307	8.35
24 510	1800	2.00	134	3.95	148	4.66	159	5.34	171	6.10	195	6.69	206	6.98	221	7.26	236	7.54	251	7.82	266	8.10	281	8.38	296	8.66	311	8.94
25 510	1900	2.20	139	4.45	152	5.20	163	5.97	174	6.71	186	7.22	206	7.52	219	7.80	234	8.08	249	8.36	264	8.64	279	8.92	294	9.20	309	9.48
26 510	2000	2.40	143	5.09	156	5.93	167	6.71	178	7.40	188	7.85	208	8.15	221	8.43	236	8.71	251	8.99	266	9.27	281	9.55	296	9.83	311	10.11
27 510	2100	2.60	148	5.72	160	6.51	171	7.29	182	8.11	192	8.56	212	8.86	225	9.14	238	9.42	253	9.70	268	9.98	283	10.26	298	10.54	313	10.82
28 510	2200	2.80	153	6.44	165	7.24	175	8.05	186	8.91	195	9.36	215	9.66	228	9.94	241	10.22	256	10.50	271	10.78	286	11.06	301	11.34	316	11.62
29 510	2300	3.00	157	7.22	175	8.99	184	9.84	194	10.68	203	10.65	223	10.95	236	11.23	249	11.51	264	11.79	279	12.07	294	12.35	309	12.63	324	12.91
30 510	2400	3.20	160	8.06	178	9.94	187	10.84	197	11.72	206	11.69	226	12.00	239	12.28	252	12.56	267	12.84	282	13.12	297	13.40	312	13.68	327	13.96
31 510	2500	3.40	164	8.94	181	10.94	190	11.84	199	12.66	215	12.97	228	13.25	241	13.53	254	13.81	269	14.09	284	14.37	299	14.65	314	14.93	329	15.21
32 510	2600	3.60	168	9.90	184	12.06	193	12.96	202	13.80	218	14.11	231	14.39	244	14.67	257	14.95	272	15.23	287	15.51	302	15.79	317	16.07	332	16.35
33 510	2700	3.80	172	10.94	187	13.22	196	14.12	205	15.00	221	15.31	234	15.59	247	15.87	260	16.15	275	16.43	290	16.71	305	16.99	320	17.27	335	17.55
34 510	2800	4.00	176	12.06	190	14.44	199	15.28	208	16.20	224	16.51	237	16.79	250	17.07	263	17.35	278	17.63	293	17.91	308	18.19	323	18.47	338	18.75
35 510	2900	4.20	180	13.22	193	15.70	202	16.46	211	17.40	227	17.71	240	18.00	253	18.28	266	18.56	281	18.84	296	19.12	311	19.40	326	19.68	341	19.96
36 510	3000	4.40	184	14.44	196	17.00	205	17.76	214	18.60	230	18.91	243	19.20	256	19.48	269	19.76	284	20.04	299	20.32	314	20.60	329	20.88	344	21.16
37 510	3100	4.60	188	15.70	199	18.26	208	18.96	217	19.95	233	20.26	246	20.54	259	20.82	272	21.10	287	21.38	302	21.66	317	21.94	332	22.22	347	22.50
38 510	3200	4.80	192	17.00	202	20.00	211	20.70	220	21.00	236	21.30	249	21.58	262	21.86	275	22.14	290	22.42	305	22.70	320	22.98	335	23.26	350	23.54
39 510	3300	5.00	196	18.26	205	21.26	214	21.96	223	22.26	239	22.56	252	22.84	265	23.12	278	23.40	293	23.68	308	23.96	323	24.24	338	24.52	353	24.80
40 510	3400	5.20	200	19.50	208	22.50	217	23.20	226	23.50	242	23.80	255	24.08	268	24.36	281	24.64	296	24.92	311	25.20	326	25.48	341	25.76	356	26.04
41 510	3500	5.40	204	20.76	211	23.76	220	24.46	229	24.76	245	25.06	258	25.34	271	25.62	284	25.90	299	26.18	314	26.46	329	26.74	344	27.02	359	27.30
42 510	3600	5.60	208	22.00	214	25.00	223	25.70	232	26.00	248	26.30	261	26.58	274	26.86	287	27.14	302	27.42	317	27.70	332	27.98	347	28.26	362	28.54
43 510	3700	5.80	212	23.26	217	26.26	226	26.96	235	27.26	251	27.56	264	27.84	277	28.12	290	28.40	305	28.68	320	28.96	335	29.24	350	29.52	365	29.80
44 510	3800	6.00	216	24.50	220	27.50	229	28.20	238	28.50	254	28.80	267	29.08	280	29.36	293	29.64	308	29.92	323	30.20	338	30.48	353	30.76	368	31.04
45 510	3900	6.20	220	25.76	223	28.76	232	29.46	241	29.76	257	30.06	270	30.34	283	30.62	296	30.90	311	31.18	326	31.46	341	31.74	356	32.02	372	32.30
46 510	4000	6.40	224	27.00	226	29.96	235	30.66	244	30.96	260	31.26	273	31.54	286	31.82	299	32.10	314	32.38	329	32.66	344	32.94	359	33.22	376	33.50
47 510	4100	6.60	228	28.26	229	31.26	238	31.96	247	32.26	263	32.56	276	32.84	289	33.12	302	33.40	317	33.68	332	33.96	347	34.24	362	34.52	380	34.80
48 510	4200	6.80	232	29.50	232	32.50	241	33.20	250	33.50	266	33.80	279	34.08	292	34.36	305	34.64	320	34.92	335	35.20	350	35.48	365	35.76	384	36.04
49 510	4300	7.00	236	30.76	235	33.76	244	34.46	253	34.76	269	35.06	282	35.34	295	35.62	308	35.90	323	36.18	338	36.46	353	36.74	369	37.02	388	37.28
50 510	4400	7.20	240	32.00	238	34.96	247	35.66	256	35.96	272	36.26	285	36.54	298	36.82	311	37.10	326	37.38	341	37.66	356	37.94	372	38.22	392	38.48
51 510	4500	7.40	244	33.26	241	36.26	250	36.96	259	37.26	275	37.56	288	37.84	301	38.12	314	38.40	329	38.68	344	38.96	359	39.24	374	39.52	396	39.78
52 510	4600	7.60	248	34.50	244	37.50	253	38.20	262	38.50	278	38.80	289	39.08	302	39.36	315	39.64	330	39.92	345	40.20	360	40.48	378	40.76	400	41.02
53 510	4700	7.80	252	35.76	247	38.76	256	39.46	265	39.76	281	40.06	292	40.34	305	40.62	318	40.90	333	41.18	348	41.46	363	41.74	381	42.02	404	42.28
54 510	4800	8.00	256	37.00	250	39.96	259	40.66	268	40.96	284	41.26	295	41.54	308	41.82	321	42.10	336	42.38	351	42.66	366	42.94	384	43.20	408	43.46
55 510	4900	8.20	260	38.26	253	41.26	262	41.96	271	42.26	287	42.56	298	42.84	311	43.12	324	43.40	339	43.68	354	43.96	369	44.24	387	44.50	412	44.76
56 510	5000	8.40	264	39.50	256	42.50	265	43.20	274	43.50	290	43.80	301	44.08	314	44.36	327	44.64	340	44.92	355	45.20	370	45.48	389	45.74	416	46.00
57 510	5100	8.60	268	40.76	259	43.76	268	44.46	277	44.76	293	45.06	304	45.34	317	45.62	330	45.90	343	46.18	358	46.46	373	46.74	392	47.00	420	47.26
58 510	5200	8.80	272	42.00	262	44.96	271	45.66	280	45.96	296	46.26	307	46.54	320	46.82	333	47.10	346	47.38	360	47.66	375	47.94	395	48.20	424	48.46
59 510	5300	9.00	276	43.26	265	46.26	274	46.96	283	47.26	299	47.56	310	47.84	323	48.12	336	48.40	349	48.68	364	48.96	378	49.24	398	49.50	428	49.76
60 510	5400	9.20	280	44.50	268	47.50	277	48.20	286	48.50	302	48.80	313	49.08	326	49.36	339	49.64	352	49.92	367	50.20	381	50.48	402	50.74	432	51.00
61 510	5500	9.40	284	45.76	271	48.76	280	49.46	290	49.76	306	50.06	317	50.34	33													

AIA File No. 30-D-1

SINGLE INLET

WHEEL DIA. 60 INCHES
WHEEL CTR. 18.71 FT.

NO. 60

Type ME Fan

SLOW SPEED WHEEL

SINGLE WIDTH

OUTLET AREA 20.38 SQ. FT.

CFM VOLUME	1/4" S P	3/8" S P	1/2" S P	5/8" S P	3/4" S P	7/8" S P	1" S P	1-1/4" S P	1-1/2" S P	1-3/4" S P	2" S P	2-1/4" S P	2-1/2" S P	3" S P
	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM
20 380	95	110	126	140	155	167	179	193	207	221	235	249	263	277
22 420	95	110	126	140	155	167	179	193	207	221	235	249	263	277
24 460	95	110	126	140	155	167	179	193	207	221	235	249	263	277
26 490	100	115	130	145	160	175	188	202	215	229	242	256	269	282
28 530	100	115	130	145	160	175	188	202	215	229	242	256	269	282
30 570	100	115	130	145	160	175	188	202	215	229	242	256	269	282
32 610	100	115	130	145	160	175	188	202	215	229	242	256	269	282
34 650	100	115	130	145	160	175	188	202	215	229	242	256	269	282
36 690	100	115	130	145	160	175	188	202	215	229	242	256	269	282
38 730	100	115	130	145	160	175	188	202	215	229	242	256	269	282
40 770	100	115	130	145	160	175	188	202	215	229	242	256	269	282
42 810	100	115	130	145	160	175	188	202	215	229	242	256	269	282
44 850	100	115	130	145	160	175	188	202	215	229	242	256	269	282
46 890	100	115	130	145	160	175	188	202	215	229	242	256	269	282
48 930	100	115	130	145	160	175	188	202	215	229	242	256	269	282
50 970	100	115	130	145	160	175	188	202	215	229	242	256	269	282
52 1010	100	115	130	145	160	175	188	202	215	229	242	256	269	282
54 1050	100	115	130	145	160	175	188	202	215	229	242	256	269	282
56 1090	100	115	130	145	160	175	188	202	215	229	242	256	269	282
58 1130	100	115	130	145	160	175	188	202	215	229	242	256	269	282
60 1170	100	115	130	145	160	175	188	202	215	229	242	256	269	282
62 1210	100	115	130	145	160	175	188	202	215	229	242	256	269	282
64 1250	100	115	130	145	160	175	188	202	215	229	242	256	269	282
66 1290	100	115	130	145	160	175	188	202	215	229	242	256	269	282
68 1330	100	115	130	145	160	175	188	202	215	229	242	256	269	282
70 1370	100	115	130	145	160	175	188	202	215	229	242	256	269	282
72 1410	100	115	130	145	160	175	188	202	215	229	242	256	269	282
74 1450	100	115	130	145	160	175	188	202	215	229	242	256	269	282
76 1490	100	115	130	145	160	175	188	202	215	229	242	256	269	282
78 1530	100	115	130	145	160	175	188	202	215	229	242	256	269	282
80 1570	100	115	130	145	160	175	188	202	215	229	242	256	269	282
82 1610	100	115	130	145	160	175	188	202	215	229	242	256	269	282
84 1650	100	115	130	145	160	175	188	202	215	229	242	256	269	282
86 1690	100	115	130	145	160	175	188	202	215	229	242	256	269	282
88 1730	100	115	130	145	160	175	188	202	215	229	242	256	269	282
90 1770	100	115	130	145	160	175	188	202	215	229	242	256	269	282
92 1810	100	115	130	145	160	175	188	202	215	229	242	256	269	282
94 1850	100	115	130	145	160	175	188	202	215	229	242	256	269	282
96 1890	100	115	130	145	160	175	188	202	215	229	242	256	269	282
98 1930	100	115	130	145	160	175	188	202	215	229	242	256	269	282
100 1970	100	115	130	145	160	175	188	202	215	229	242	256	269	282

TYPE ME FAN

SINGLE INLET

WHEEL DIA. 60 INCHES
WHEEL CTR. 18.71 FT.

NO. 66

Type ME Fan

SLOW SPEED WHEEL

SINGLE WIDTH

OUTLET AREA 24.60 SQ. FT.

CFM VOLUME	1/4" S P	3/8" S P	1/2" S P	5/8" S P	3/4" S P	7/8" S P	1" S P	1-1/4" S P	1-1/2" S P	1-3/4" S P	2" S P	2-1/4" S P	2-1/2" S P	3" S P
	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM
24 660	85	101	115	128	143	152	162	176	188	199	209	219	229	239
26 700	85	101	115	128	143	152	162	176	188	199	209	219	229	239
28 740	85	101	115	128	143	152	162	176	188	199	209	219	229	239
30 780	90	106	120	133	147	156	166	180	192	203	213	223	233	243
32 820	90	106	120	133	147	156	166	180	192	203	213	223	233	243
34 860	90	106	120	133	147	156	166	180	192	203	213	223	233	243
36 900	90	106	120	133	147	156	166	180	192	203	213	223	233	243
38 940	90	106	120	133	147	156	166	180	192	203	213	223	233	243
40 980	90	106	120	133	147	156	166	180	192	203	213	223	233	243
42 1020	90	106	120	133	147	156	166	180	192	203	213	223	233	243
44 1060	90	106	120	133	147	156	166	180	192	203	213	223	233	243
46 1100	90	106	120	133	147	156	166	180	192	203	213	223	233	243
48 1140	90	106	120	133	147	156	166	180	192	203	213	223	233	243
50 1180	90	106	120	133	147	156	166	180	192	203	213	223	233	243
52 1220	90	106	120	133	147	156	166	180	192	203	213	223	233	243
54 1260	90	106	120	133	147	156	166	180	192	203	213	223	233	243
56 1300	90	106	120	133	147	156	166	180	192	203	213	223	233	243
58 1340	90	106	120	133	147	156	166	180	192	203	213	223	233	243
60 1380	90	106	120	133	147	156	166	180	192	203	213	223	233	243
62 1420	90	106	120	133	147	156	166	180	192	203	213	223	233	243
64 1460	90	106	120	133	147	156	166	180	192	203	213	223	233	243
66 1500	90	106	120	133	147	156	166	180	192	203	213	223	233	243
68 1540	90	106	120	133	147	156	166	180	192	203	213	223	233	243
70 1580	90	106	120	133	147	156	166	180	192	203	213	223	233	243
72 1620	90	106	120	133	147	156	166	180	192	203	213	223	233	243
74 1660	90	106	120	133	147	156	166	180	192	203	213	223	233	243
76 1700	90	106	120	133	147	156	166	180	192	203	213	223	233	243
78 1740	90	106	120	133	147	156	166	180	192	203	213	223	233	243
80 1780	90	106	120	133	147	156	166	180	192	203	213	223	233	243
82 1820	90	106	120	133	147	156	166	180	192	203	213	223	233	243
84 1860	90	106	120	133	147	156	166	180	192	203	213	223	233	243
86 1900	90	106	120	133	147	156	166	180	192	203	213	223	233	243
88 1940	90	106	120	133	147	156	166	180	192	203	213	223	233	243
90 1980	90	106	120	133	147	156	166	180	192	203	213	223	233	243
92 2020	90	106	120	133	147	156	166	180	192	203	213	223	233	243
94 2060	90	106	120	133	147	156	166	180	192	203	213	223	233	243
96 2100	90	106	120	133	147	156	166	180	192	203	213	223	233	243
98 2140	90	106	120	133	147	156	166	180	192	203	213	223	233	243
100 2180	90	106	120	133	147	156	166	180	192	203	213	223	233	243

NO. 73 *Type ME Fan* SLOW SPEED WHEEL

SINGLE WHEEL
OUTLET AREA 30.18 SQ. FT.

SINGLE INLET
WHEEL DIA. 75 INCHES
WHEEL CIRC. 23.111 FT.

CFM VOLUME	1/8" S P		3/8" S P		1/2" S P		5/8" S P		3/4" S P		7/8" S P		1" S P		1-1/4" S P		1-1/2" S P		2" S P		2-1/4" S P		2-1/2" S P		3" S P	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
30 160	76	2.22	92	2.97	104	3.77	116	4.66	128	5.71	138	7.20	147	9.13	157	11.06	164	13.03	173	15.06	180	16.84	188	18.78	194	21.30
33 180	81	2.66	92	3.43	104	4.25	116	5.16	127	6.16	137	8.53	146	10.50	155	12.57	163	14.66	172	16.84	180	19.13	188	21.30	195	23.30
36 200	86	3.10	94	3.98	106	4.87	117	5.86	127	6.94	137	9.31	146	12.27	155	14.34	164	16.51	173	18.78	183	21.06	191	23.30	197	25.30
39 210	90	3.60	98	4.57	107	5.50	118	6.44	127	7.53	137	9.90	146	13.37	155	15.41	164	17.58	173	19.84	181	22.10	189	24.30	195	26.30
42 220	94	4.16	98	5.24	107	6.26	119	7.26	128	8.35	137	10.72	146	14.49	155	16.56	164	18.72	173	20.90	181	23.10	189	25.30	195	28.30
45 240	97	4.80	101	5.92	111	7.03	120	8.08	129	9.20	139	11.57	148	15.60	157	17.66	166	19.84	175	22.00	183	24.10	191	26.30	197	29.30
48 260	99	5.51	104	6.71	113	7.90	122	9.03	131	10.23	140	13.03	149	16.71	158	18.78	167	20.90	176	22.90	184	25.10	192	27.30	199	30.30
51 280	100	6.22	107	7.52	116	8.78	125	9.83	134	11.52	143	14.52	152	17.81	161	19.84	170	22.00	179	24.00	187	26.00	195	28.30	202	31.30
54 290	102	7.00	109	8.51	118	9.76	126	10.83	136	12.57	145	15.60	155	18.84	164	20.90	173	22.90	182	24.90	190	27.00	198	29.30	206	32.30
57 300	103	8.20	112	9.49	120	10.90	129	12.03	138	13.52	147	16.71	156	19.84	165	21.90	174	23.90	183	25.90	191	28.00	199	30.30	207	33.30
60 320	105	9.12	115	10.65	124	12.08	133	13.11	141	14.52	150	17.81	159	20.90	168	22.90	177	24.90	186	26.90	194	29.00	202	31.30	210	34.30
63 340	107	10.00	117	11.84	127	13.11	136	14.16	145	15.57	154	18.84	162	21.90	171	23.90	180	25.90	189	27.90	197	29.30	205	32.30	213	35.30
66 350	108	11.00	119	12.84	129	14.16	138	15.16	147	16.57	156	19.84	165	22.90	174	24.90	183	26.90	192	28.90	200	31.30	208	33.30	216	37.30
69 370	110	12.00	122	14.16	133	15.16	141	16.16	150	17.57	159	21.00	168	23.90	177	25.90	186	27.90	195	29.90	203	32.30	211	34.30	219	38.30
72 380	111	13.11	125	15.16	136	16.16	144	17.16	153	18.57	162	22.00	171	24.90	180	26.90	189	28.90	198	30.90	206	33.30	214	35.30	222	40.30
75 400	112	14.16	128	16.16	139	17.16	147	18.16	156	19.57	165	23.00	174	25.90	183	27.90	192	29.90	201	31.90	209	34.30	217	36.30	225	43.30
78 420	113	15.16	131	17.16	142	18.16	150	19.16	159	20.57	168	24.00	177	26.90	186	28.90	195	30.90	204	32.90	212	35.30	220	37.30	228	46.30
81 440	114	16.16	134	18.16	145	19.16	153	20.16	162	21.57	171	25.00	180	27.90	189	29.90	198	31.90	207	33.90	215	36.30	223	38.30	231	41.30
84 460	115	17.16	137	19.16	148	20.16	156	21.16	165	22.57	174	26.00	183	28.90	192	30.90	201	32.90	210	34.90	218	37.30	226	39.30	234	44.30
87 480	116	18.16	140	20.16	151	21.16	159	22.16	168	23.57	177	27.00	186	29.90	195	31.90	204	33.90	213	35.90	221	38.30	229	40.30	237	45.30
90 500	117	19.16	143	21.16	154	22.16	162	23.16	171	24.57	180	28.00	189	30.90	198	32.90	207	34.90	216	36.90	224	39.30	232	41.30	240	48.30
93 520	118	20.16	146	22.16	157	23.16	165	24.16	174	25.57	183	29.00	192	31.90	201	33.90	210	35.90	219	37.90	227	40.30	235	42.30	243	51.30
96 540	119	21.16	149	23.16	160	24.16	168	25.16	177	26.57	186	30.00	195	32.90	204	34.90	213	36.90	222	38.90	230	41.30	238	43.30	246	54.30
99 560	120	22.16	152	24.16	163	25.16	171	26.16	180	27.57	189	31.00	198	33.90	207	35.90	216	37.90	225	39.90	233	42.30	241	44.30	249	57.30
102 580	121	23.16	155	25.16	166	26.16	174	27.16	183	28.57	192	32.00	201	34.90	210	36.90	219	38.90	228	40.90	236	43.30	244	45.30	252	60.30
105 600	122	24.16	158	26.16	169	27.16	177	28.16	186	29.57	195	33.00	204	35.90	213	37.90	222	39.90	231	41.90	239	44.30	247	46.30	255	63.30
108 620	123	25.16	161	27.16	172	28.16	180	29.16	190	30.57	198	34.00	207	36.90	216	38.90	225	40.90	234	42.90	242	45.30	250	47.30	258	66.30
111 640	124	26.16	164	28.16	175	29.16	183	30.16	193	31.57	201	35.00	210	37.90	219	39.90	228	41.90	237	43.90	245	46.30	253	48.30	261	69.30
114 660	125	27.16	167	29.16	178	30.16	186	31.16	196	32.57	204	36.00	213	38.90	222	40.90	231	42.90	240	44.90	248	47.30	256	49.30	264	72.30
117 680	126	28.16	170	30.16	181	31.16	189	32.16	199	33.57	207	37.00	216	39.90	225	41.90	234	43.90	243	45.90	251	48.30	259	50.30	267	75.30
120 700	127	29.16	173	31.16	184	32.16	192	33.16	202	34.57	210	38.00	219	40.90	228	42.90	237	44.90	246	46.90	254	49.30	262	51.30	270	78.30
123 720	128	30.16	176	32.16	187	33.16	195	34.16	205	35.57	213	39.00	222	41.90	231	43.90	240	45.90	249	47.90	257	50.30	265	52.30	273	81.30
126 740	129	31.16	179	33.16	190	34.16	198	35.16	208	36.57	216	40.00	225	42.90	234	44.90	243	46.90	252	48.90	260	51.30	268	53.30	276	84.30
129 760	130	32.16	182	34.16	193	35.16	201	36.16	211	37.57	219	41.00	228	43.90	237	45.90	246	47.90	255	49.90	263	52.30	271	54.30	279	87.30
132 780	131	33.16	185	35.16	196	36.16	204	37.16	214	38.57	222	42.00	231	44.90	240	46.90	249	48.90	258	50.90	266	53.30	274	55.30	282	90.30
135 800	132	34.16	188	36.16	199	37.16	207	38.16	217	39.57	225	43.00	234	45.90	243	47.90	252	49.90	261	51.90	269	54.30	277	56.30	285	93.30
138 820	133	35.16	191	37.16	202	38.16	210	39.16	220	40.57	228	44.00	237	46.90	246	48.90	255	50.90	264	52.90	272	55.30	280	57.30	288	96.30
141 840	134	36.16	194	38.16	205	39.16	213	40.16	223	41.57	231	45.00	240	47.90	249	49.90	258	51.90	267	53.90	275	56.30	283	58.30	291	99.30
144 860	135	37.16	197	39.16	208	40.16	216	41.16	226	42.57	234	46.00	243	48.90	252	50.90	261	52.90	270	54.90	278	57.30	286	59.30	294	102.30
147 880	136	38.16	200	40.16	211	41.16	219	42.16	229	43.57	237	47.00	246	49.90	255	51.90	264	53.90	273	55.90	281	58.30	289	60.30	297	105.30
150 900	137	39.16	203	41.16	214	42.16	222	43.16	232	44.57	240	48.00	249	50.90	258	52.90	267	54.90	276	56.90	284	59.30	292	61.30	300	108.30
153 920	138	40.16	206	42.16	217	43.16	225	44.16	235	45.57	243	49.00	252	51.90	261	53.90	270	55.90	279	57.90	287	60.30	295	62.30	303	111.30
156 940	139	41.16	209	43.16	220	44.16	228	45.16	238	46.57	246	50.00	255	52.90	264	54.90	273	56.90	282	58.90	290	61.30	298	63.30	306	114.30
159 960	140	42.16	212	44.16	223	45.16	231	46.16	241	47.57	249	51.00	258	53.90	267	55.90	276	57.90	285	59.90	293	62.30	301	64.30	309	117.30
162 980	141	43.16	215	45.16	226	46.16	234	47.16	244	48.57	252	52.00	261	54.90	270	56.90	279	58.90	288	60.90	296	63.30	304	65.30	312	120.30

PHYSICAL FAN LAWS

FAN PERFORMANCE AND SELECTION -

In the selection and operation of fans, the SIZE, RPM (or Speed), CFM (or Capacity), BHP (or Horsepower), and PRESSURE (Static, Velocity, or Total), each has a fixed and definite relation to the other.

In conjunction with the Capacity Tables in the preceding pages, the following accepted Physical Fan Laws are reviewed:

FOR A GIVEN FAN SIZE, PIPING SYSTEM, AND AIR DENSITY -

1. CFM varies directly as RPM.
2. PRESSURE varies as the square of the RPM.
3. BHP varies as cube of the RPM.

The following fundamental formulae are also reviewed:

$$(1). \quad \text{BHP} = \frac{\text{CFM} \times \text{TOTAL PRESSURE}^*}{6356 \times \text{MECH. EFF.}}$$

$$(2). \quad \text{MECH. EFF.} = \frac{\text{CFM} \times \text{TOTAL PRESSURE}^*}{6356 \times \text{BHP}}$$

* Total Pressure equals
Static Pressure plus Velocity Pressure.

If no change is made in any part of a given system, (such as changing dampers, ducts, heaters or other equipment), an increase or decrease of air delivery will be obtained in direct ratio with change of speed; and power demand will vary from BHP given in Tables in the ratio of the cube of the speeds.

The Capacity Tables are based upon Standard Air at 68°F Temperature. For different temperatures, in ordinary practice the Capacity Tables will apply by increasing the RPM for higher temperatures and decreasing the RPM for lower temperatures. (This is due to change of air density due to influence of temperature.)

The tabulation on the next page illustrates effects of temperature upon various elements of performance.

TYPE ME FAN

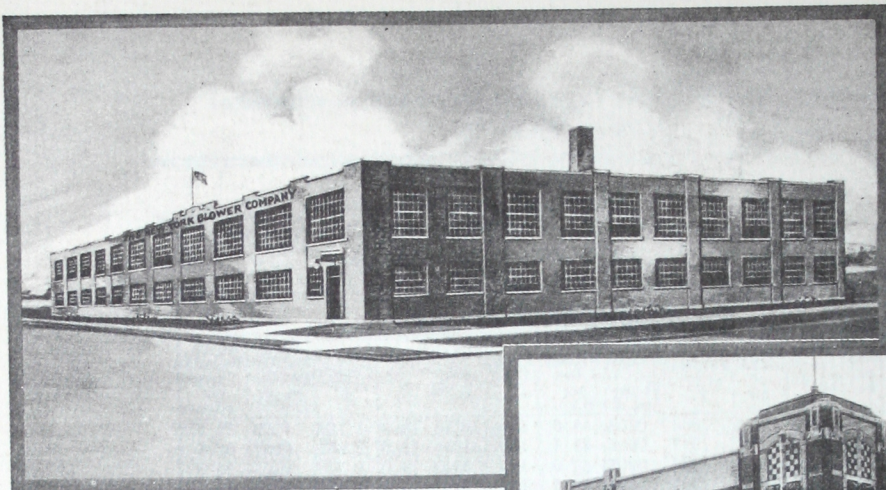
Influence of the Temperature of Air upon the Conditions of its Movement,

Temperature in Degrees Fahr.	Relative Velocity Due to the Same Pressure.	Relative Pressure Necessary to Produce the Same Velocity.	Relative Weight of Air Moved at the Same Velocity.	Relative Velocity Necessary to Move the Same Weight of Air.	Relative Pressure Necessary to Produce the Velocity to Move the Same Weight of Air.	Relative Power Necessary to Move the Same Volume of Air at the Same Velocity.	Relative Power Necessary to Move the Same Weight of Air at the Velocity in Column 5 and the Pressure in Column 6.
1	2	3	4	5	6	7	8
30°	0.98	1.04	1.04	0.96	0.96	1.04	0.92
40	0.99	1.02	1.02	0.98	0.98	1.02	0.96
50	1.00	1.00	1.00	1.00	1.00	1.00	1.00
60	1.01	0.98	0.98	1.02	1.02	0.98	1.04
70	1.02	0.96	0.96	1.04	1.04	0.96	1.08
80	1.03	0.94	0.94	1.06	1.06	0.94	1.12
90	1.04	0.93	0.93	1.08	1.08	0.93	1.17
100	1.05	0.91	0.91	1.10	1.10	0.91	1.21
125	1.07	0.87	0.87	1.15	1.15	0.87	1.32
150	1.09	0.84	0.84	1.20	1.20	0.84	1.43
175	1.11	0.81	0.81	1.24	1.24	0.81	1.55
200	1.14	0.78	0.78	1.29	1.29	0.78	1.67
225	1.16	0.75	0.75	1.34	1.34	0.75	1.80
250	1.18	0.72	0.72	1.39	1.39	0.72	1.93
275	1.20	0.69	0.69	1.44	1.44	0.69	2.07
300	1.22	0.67	0.67	1.49	1.49	0.67	2.22
325	1.24	0.65	0.65	1.54	1.54	0.65	2.36
350	1.26	0.63	0.63	1.59	1.59	0.63	2.51
375	1.28	0.61	0.61	1.63	1.63	0.61	2.66
400	1.30	0.59	0.59	1.68	1.68	0.59	2.82
425	1.32	0.58	0.58	1.73	1.73	0.58	2.99
450	1.34	0.56	0.56	1.78	1.78	0.56	3.17
475	1.35	0.55	0.55	1.83	1.83	0.55	3.35
500	1.37	0.53	0.53	1.88	1.88	0.53	3.53
525	1.39	0.52	0.52	1.93	1.93	0.52	3.72
550	1.41	0.51	0.51	1.98	1.98	0.51	3.92
575	1.43	0.49	0.49	2.03	2.03	0.49	4.12
600	1.44	0.48	0.48	2.08	2.08	0.48	4.33
625	1.46	0.47	0.47	2.13	2.13	0.47	4.54
650	1.48	0.46	0.46	2.18	2.18	0.46	4.75
675	1.49	0.45	0.45	2.22	2.22	0.45	4.93
700	1.51	0.44	0.44	2.27	2.27	0.44	5.15
725	1.52	0.43	0.43	2.32	2.32	0.43	5.38
750	1.54	0.42	0.42	2.37	2.37	0.42	5.62
775	1.56	0.41	0.41	2.42	2.42	0.41	5.86
800	1.57	0.40	0.40	2.47	2.47	0.40	6.10

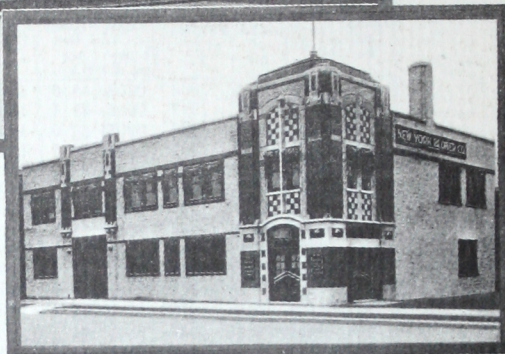
For Engineers and Students interested in the fundamentals and physics of Fan Engineering and Design, reference is made to the basic laws of physics as elaborated in the GUIDE of the American Society of Heating & Ventilating Engineers, and also the STANDARD TEST CODE FOR CENTRIFUGAL FANS, copy of which will be furnished upon inquiry to Home Office of the New York Blower Company.

Properties of Dry Air

Temp. Deg. F.	Weight per Cu. Ft. Lbs.	Cu. Ft. in 1 Lb. of Air	Percent Volume at 70° F.	B.t.u. Absorbed by 1 Cu. Ft. per Deg. F.	Cu. Ft. Warmed 1 Deg. per B.t.u.	Temp. Deg. F.	Weight per Cu. Ft. Lbs.	Cu. Ft. in 1 Lb. of Air	Percent Volume at 70° F.	B.t.u. Absorbed by 1 Cu. Ft. per Deg. F.	Cu. Ft. Warmed 1 Deg. per B.t.u.
0	.0863	11.5	.868	.0208	48.0	140	.0662	15.0	1.132	.0160	62.3
5	.0854	11.7	.877	.0206	48.5	150	.0651	15.3	1.151	.0157	63.3
10	.0845	11.8	.886	.0203	49.0	160	.0640	15.6	1.170	.0155	64.3
15	.0836	11.9	.896	.0201	49.5	170	.0630	15.8	1.189	.0153	65.3
20	.0827	12.0	.905	.0199	50.0	180	.0620	16.1	1.208	.0150	66.4
25	.0819	12.2	.915	.0197	50.5	190	.0611	16.3	1.227	.0148	67.4
30	.0810	12.3	.924	.0195	51.1	200	.0601	16.6	1.245	.0146	68.4
35	.0802	12.4	.934	.0193	51.6	220	.0584	17.1	1.283	.0141	70.4
40	.0794	12.6	.943	.0191	52.1	240	.0567	17.6	1.321	.0138	72.4
45	.0786	12.8	.953	.0190	52.6	260	.0551	18.1	1.359	.0134	74.4
50	.0778	12.9	.962	.0188	53.1	280	.0536	18.6	1.396	.0130	76.4
55	.0771	13.0	.971	.0186	53.6	300	.0522	19.1	1.434	.0127	78.5
60	.0764	13.1	.981	.0184	54.1	350	.0490	20.4	1.528	.0119	83.5
65	.0756	13.2	.990	.0182	54.6	400	.0461	21.7	1.623	.0113	88.5
70	.0749	13.3	1.000	.0181	55.1	450	.0436	22.9	1.717	.0107	93.4
75	.0742	13.4	1.009	.0179	55.7	500	.0413	24.1	1.811	.0101	98.2
80	.0735	13.6	1.019	.0177	56.2	550	.0393	25.4	1.906	.0096	103.4
85	.0728	13.7	1.028	.0176	56.7	600	.0374	26.7	2.001	.0092	108.3
90	.0722	13.8	1.038	.0174	57.2	700	.0342	29.2	2.190	.0084	118.0
95	.0715	13.9	1.047	.0173	57.7	800	.0315	31.7	2.378	.0078	127.8
100	.0709	14.0	1.057	.0171	58.2	900	.0292	34.2	2.567	.0072	137.3
110	.0696	14.3	1.075	.0168	59.2	1000	.0272	36.8	2.756	.0068	147.0
120	.0684	14.5	1.094	.0165	60.2	1200	.0239	41.7	3.133	.0060	165.8
130	.0673	14.8	1.113	.0163	61.3						



Factories at LaPorte, Ind., & Chicago, Ill.
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The Manufacturer —

THE Name—THE NEW YORK BLOWER COMPANY—has been retained for almost a half a century because it signifies a prestige built up over a long period . . . specializing in the manufacture of air moving machinery . . . FANS, BLOWERS, AIR WASHERS, HEATING AND VENTILATING APPARATUS AND MACHINERY . . . and an enviable reputation attaches to the name.

Geographically situated in the CENTRAL STATES, the company has enjoyed a consistent, steady growth . . . and today maintains its principal plant at LA PORTE, INDIANA, with its principal office and subsidiary plant at CHICAGO, ILLINOIS. Representatives are located in many of the important cities throughout the United States.

The Company takes pride in having been privileged to serve the Schools of the Nation, . . . large Public and Private Institutions . . . Large and Small Industrial Corporations and Business Enterprises.

The Company's position in its field is unique. Exacting engineering design with a background of long experience and achievement is inherent in its products. It

gives personal pride and attention to each individual order . . . It produces and delivers custombuilt products with line methods and facilities . . . This is meaningful to the purchaser who appreciates quality and value without premium cost.

Craftsmen in the light steel-plate and structural-fabricating art, painstaking interest and devotion is given by its workers . . . and with justifiable pride in their workmanship. Special-order work is invited, including special modifications and adaptations of standard products.

All products have dependable ratings . . . The Company is the pioneer in the practice of having its products accurately tested and rated—both in its own laboratories and by outside disinterested engineering concerns . . . and a definite guarantee is given on the basis of reliable, known performance.

Appropriate technical knowledge and experience . . . suitable facilities . . . and ample resources . . . With such credentials as these, the Purchaser may have every confidence in THE NEW YORK BLOWER COMPANY and the dependability of its Products!

THE NEW YORK BLOWER COMPANY

Manufacturers of VENTILATING FANS and BLOWERS — COMET UNIT HEATERS,
AIR CONDITIONING APPARATUS.